

# **THE CITY OF FRESNO**

## **ADDENDUM NO. 3**

Fresno Fire Department  
Fire Station No.15 & 17  
Bid File Number 2480

### **NOTICE TO ALL BIDDERS:**

This Addendum is hereby made a part of the project contract documents. It shall be the responsibility of the general contractor to inform any affected subbidder of the content of this Addendum.

### **REFERENCE PAGE I, NOTICE INVITING BIDS, VOLUME 1**

The bid opening date is hereby changed to 3:00 p.m. on **Thursday, May 13, 2004** Time of Completion remains the same.

### **REFERENCE PAGE 1.1, ITEM 13, SUBCONTRACTOR INFORMATION DETAIL:**

#### **Clarification:**

Due to the change in the Bid Date, in order for the City to proceed with the award of this project on May 25, 2004, the three lowest bidders are encouraged to submit their Subcontractor information – Detail no later than 2:00 p.m. on Monday, May 17, 2004 so the City can post the Staff Determination, (The next available award date is June 8, 2004, Time of Completion remains the same,)

### **THE CONTRACT DOCUMENTS ARE TO BE MODIFIED AS FOLLOWS:**

**Please make the following changes or clarifications to the SPECIFICATIONS, VOLUME 2:**

#### **DIVISION 1 – GENERAL REQUIREMENTS**

##### **01045 CUTTING & PATCHING**

Page 2, Section 2.01, B – Reference revised.

#### **DIVISION 3 – CONCRETE**

##### **03300 CAST-IN-PLACE CONCRETE**

Page 17, Section 3.10, H – Item H added.

##### **03360 CONCRETE FINISHES**

Page 2, Section 2.01, B – Reference revised.

#### **DIVISION 5 – METALS**

##### **05515 METAL LADDERS**

Page 2, Section 2.01, B – Reference revised.

#### **DIVISION 6 – WOODS AND PLASTICS**

##### **06200 FINISH CARPENTRY**

- Page 2, Section 2.01 and Section 2.02 – Sections revised.
- 06410 ARCHITECTURAL WOODWORK  
 Page 1, Section 1.01 – Section revised, item(s) added.  
 Page 2, Section 2.01, E – Reference revised.  
 Pages 2-3, Section 2.03 – Section revised.
- 06605 GLASS-FIBER REINFORCED PLASTIC  
 Page 3, Section 2.03, B, 14 and 15 – Items revised.

#### **DIVISION 7 – THERMAL AND MOISTURE PROTECTION**

- 07320 ROOF TILES  
 Page 1, Section 1.02, G – Item added  
 Page 2, Section 2.02, C and D – Items revised/added
- 07700 ROOF SPECIALTIES & ACCESSORIES  
 Page 1, Section 1.01, C – Item added  
 Page 2, Section 2.01, A, 1,2 and 3 – Items revised/added

#### **DIVISION 8 – DOORS AND WINDOWS**

- 08100 METAL DOORS & FRAMES  
 Page 1, Section 1.02, I – Item revised  
 Page 2, Section 2.01 – Reference revised  
 Page 3, Section 2.02, 1 and 2 – Items revised/added  
 Page 5, Section 2.05, E, 4 – Item revised
- NEW** 08210 WOOD DOORS  
 NEW SECTION ADDED TO DIVISION 8
- 08250 PLASTIC FACED WOOD DOORS  
 REMOVE ENTIRE SECTION FROM DIVISION 8
- 08310 ACCESS DOORS & PANELS  
 Page 1, Section 1.01, A – Item revised  
 Page 1, Section 1.02, E, G, H – Items revised/added  
 Page 2, Section 2.10, A – Item revised  
 Page 2, Section 1.02 and 1.03 – Sections revised/added
- 08400 ENTRANCES & STOREFRONTS  
 Page 1, Section 1.02, I, J, K – Items revised/added  
 Page 8, Section 2.05, A, 2 – Item revised
- 08520 ALUMINUM WINDOWS  
 Page 1, Section 1.02, G, H, I, J, K – Items revised/added  
 Page 3, Section 2.01, B – Reference revised  
 Page 3, Section 2.01, C, 1 – Item revised  
 Page 6, Section 2.05, A, 2 – Item revised
- 08800 GLAZING  
 Page 1, Section 1.02, E – Item added  
 Page 1, Section 1.05, A – Item revised  
 Page 2, Section 2.04, D – Item added  
 Page 2, Section 2.05, D – Item added

#### **DIVISION 9 – FINISHES**

- 09300 TILE  
 Page 1, Section 1.01 – Section revised  
 Page 2, Section 2.01 – Section revised  
 Pages 2 and 3, Section 2.02 – Section revised
- 09900 PAINT & COATINGS  
 Page 3, Section 2.01, A, 4 – Item revised  
 Page 9, 10, 11, Section 3.12 – Section revised

**DIVISION 10 – SPECIALTIES**

- 10200 LOUVERS & VENTS  
Page 2, Part 2 – Entire PART revised
- NEW 10500 METAL LOCKERS  
NEW SECTION ADDED TO DIVISION 10
- 10670 STORAGE SHELVING  
Page 1 and 2, Part 2 – Entire PART revised
- 10800 TOILET, BATH & LAUNDRY ACCESSORIES  
Page 2, Section 2.02 – Entire Section revised

**DIVISION 11 – EQUIPMENT**

- 11110 COMMERCIAL LAUNDRY EQUIPMENT  
Page 1, Section 2.01 – Item revised
- 11130 AUDIO-VISUAL EQUIPMENT  
Page 2, PART 2 – Entire PART revised
- 11450 RESIDENTIAL EQUIPMENT  
Page 2, Section 2.01 – Item revised

**DIVISION 16 – ELECTRICAL**

- 16140 WIRING DEVICES  
Page 1, H – Entire Item revised
- NEW 16721 FIRE SPRINKLER MONITORING & ALARM SYSTEMS  
ENTIRE SECTION ADDED TO DIVISION 16

**THE CONTRACT DOCUMENTS ARE TO BE MODIFIED AS FOLLOWS:**

**Please make the following changes or clarifications to the DRAWINGS:**

**FIRE STATION No. 15****A-1.0 – SITE PLAN**

Add Tarp Drying rack and reference to detail as indicated. Refer to AD# 4.1  
Change 'PRECAST CONCRETE SCREEN WALL' to 'CMU WALL'. Refer to AD# 4.1

**A-2.1 – DIMENSION FLOOR PLAN**

Add Note to Title Block as indicated on AD #4.2.

**A-4.0 – ROOF PLAN**

Use Schedule 40 downspouts at locations indicated. ROOF LEGEND revised to support this change. Refer to AD #4.3.

**P-1.0 – PLUMBING SCHEDULE, NOTES, LEGEND AND ABBREVIATIONS**

Revise PLUMBING FIXTURE SCHEDULE as indicated. Refer to AD #4.4.

**P-3.0 – PLUMBING FLOOR PLAN**

Add Hose Bib to East wall as indicated. Refer to AD #4.5.

**P-4.0 – PLUMBING ENLARGED FLOOR PLAN**

Add Hose Bib to East wall as indicated. Refer to AD #4.6

**E-2.0 – ELECTRICAL SITE PLAN**

Telephone service and pull-box revisions as indicated. Refer to AD #4.6a.

**FIRE STATION No. 17**

**A-1.0 – SITE PLAN**

Add Tarp Drying rack and reference to detail as indicated. Refer to AD# 4.7

**A-1.1 – SITE DETAILS**

Revise detail 4 as provided. Refer to AD# 4.7a

**A-2.0 – FLOOR PLAN**

Add 32" high screen wall as indicated. Refer to AD #4.8.

**A-2.1 – DIMENSION FLOOR PLAN**

Dimension 32" high screen wall as indicated. Refer to AD #4.9.

**A-2.2 – ENLARGED FLOOR PLAN**

Note that detail 3 is SIMILAR as indicated. Door locations vary from Station No. 15. Refer to AD #4.10.

**A-4.0 – ROOF PLAN**

Use Schedule 40 downspouts at locations indicated. ROOF LEGEND revised to support this change. Refer to AD #4.11.

**P-1.0 – PLUMBING SCHEDULE, NOTES, LEGEND AND ABBREVIATIONS**

Revise PLUMBING FIXTURE SCHEDULE as indicated. Refer to AD #4.12.

**P-3.0 – PLUMBING FLOOR PLAN**

Add Hose Bib to East wall as indicated. Refer to AD #4.13.

**P-4.0 – PLUMBING ENLARGED FLOOR PLAN**

Add Hose Bib to East wall as indicated. Refer to AD #4.14

**FIRE STATION No. 15 and No. 17**

**A-7.1 – INTERIOR ELEVATIONS – COMMUNICATIONS 110**

Remove metal ladder and access to attic at this location as indicated. Refer to AD# 4.15.

**A-7.2 – INTERIOR ELEVATIONS – JANITOR 114**

Add Keynotes identifying Mop Hooks and reference to SECTION 10800-TOILET, BATH & LAUNDRY ACCESSORIES as indicated. Refer to AD #4.16.

**A-7.2 – INTERIOR ELEVATIONS – SUPPLY 115**

Remove/add Keynotes as indicated and add reference to SECTION 10670-STORAGE SHELVING as indicated. Refer to AD #4.17



**A-7.4 – INTERIOR ELEVATIONS – APPARATUS BAY 131**

Add General Exhaust System chases, grilles and accessories as indicated.  
Note dimensional changes. Refer to AD #4.18.

**A-7.5 - INTERIOR ELEVATIONS – JANITOR 134**

Revise Keynotes as indicated. Refer to AD #4.19.

**A-8.0 – DOOR & WINDOW SCHEDULES**

DOOR TYPES – Change indicated doors to Wood Veneer. Refer to AD #4.20

WINDOW TYPES – Remove notes indicating glazing types as indicated. Refer to AD #4.21, 4.22, 4.23 and 4.24

**A-9.0 – DOOR DETAILS**

Revise dimensions of metal frames as indicated. Refer to AD #4.25.

**A-9.3 – INTERIOR DETAILS**

Add detail of upper wall cabinet provided. Refer to AD #4.26

**THE CONTRACT DOCUMENTS ARE TO BE MODIFIED AS FOLLOWS:**

**Please make the following changes or clarifications to the SPECIFICATIONS, VOLUME 1:**

**DIVISION 1 – BIDDING AND CONTRACT DOCUMENTS**

Pages 1.2 and 1.2a – Reference \*\* at BID item #8 and #17 refer to 2.32 and should read 2.31 – See attached.

**DIVISION 4 – SPECIAL CONDITIONS**

Page 4.1, Section 1 for FIRE STATION No. 15, CIVIL – Add:

C-4     EROSION CONTROL PLAN     8-E-2075a  
C-5     EROSION CONTROL PLAN     8-E-2075b

**DIVISION 6 – TECHNICAL SPECIFICATIONS**

Page 6.3 – Delete BID ITEM 9-FRESNO FIRE STATION No. 15-FLASHING BEACON section as it is covered in BID ITEM No. 6-FRESNO FIRE STATION No. 15-OFF-SITE – See attached.

**The following are requests for clarification issued by the City of Fresno. Please make the following changes or clarifications to the DRAWINGS AND SPECIFICATIONS as required:**

**QUESTION 1 – Regarding Civil Drawings – See Attached form/response.**

**QUESTION 2 – Regarding retaining wall at Station No. 15 – See Attached form/response.**

**QUESTION 3 – Regarding metal studs to wood trusses/joists - See Attached form/response and detail.**

**QUESTION 4 – Regarding stairs and ramp at Station No. 15 – See attached form/response and details.**

**QUESTION 5 – Regarding ice-maker – See Attached form/response.**

**QUESTION 6 – Regarding Dorm and Turn-out lockers - See Attached form/response and detail.**

**QUESTION 7 - Regarding Dorm and Turn-out lockers - See Attached form/response and detail.**

All other items of work in the contract document remain unchanged. A signed copy of this Addendum must be attached to the bid submittal.

CITY OF FRESNO



MIKE KIRN

Interim Public Works Director

The proposer shall sign below indicating that he/she has thoroughly read and understands the contents of this Addendum No. 3.

Date: \_\_\_\_\_ Signed: \_\_\_\_\_

Company: \_\_\_\_\_

The proposer is responsible for recognizing changes to the Proposal as called for on this list of addendum items and shall submit a signed copy of Addendum No. 3 with his Proposal.

## **PART 2 – PRODUCTS**

### **2.01 Materials**

- A. Those required for original installation.
- B. Submit request for changes in accordance with Page 2.7-SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

## **PART 3 – EXECUTION**

### **3.01 Inspection**

- A. Inspect existing conditions, including elements subject to damage or movement during cutting and patching.
- B. After uncovering, inspect conditions affecting performance of work.
- C. Beginning of cutting or patching means acceptance of existing conditions.

### **3.02 Preparation**

- A. Provide supports to assure structural integrity of surroundings; devices and methods to protect other portions of project from damage.
- B. Provide protection from elements for areas that may be exposed by work; maintain excavations free of water.
- C. Provide necessary protective barriers, safety barricades, etc.

### **3.03 Performance**

- A. Execute work by methods to avoid damage to other work, and which will provide proper surfaces to receive patching and finishing.
- B. Restore work with new products in accordance with requirements of Contract Documents.
- C. Fit work airtight to pipes, sleeves, ducts, conduit and other penetrations through surfaces. Preserve continuity of existing fire ratings.
- D. Refinish surfaces to match adjacent finishes. For continuous surfaces, refinish to nearest intersection; for an assembly, refinish entire unit.
- E. At a minimum, replace section with cross section of materials equal in depth and compaction to existing areas or in accordance with applicable related technical requirements in Specification Section 02200.
- F. Cuts should be straight and whenever possible, match an existing joint.

**END OF SECTION**

1. Immediately after float finishing, slightly roughen concrete surface by brooming with fiber-bristle broom perpendicular to main traffic route. Coordinate required final finish with Architect before application.
- F. Nonslip Aggregate Finish: Apply nonslip aggregate finish to concrete stair treads, platforms, ramps, sloped walks, and where indicated.
1. After completing float finishing and before starting trowel finish, uniformly spread dampened nonslip aggregate at a rate of 25 lb per 100 sq. ft. of surface. Tamp aggregate flush with surface using a steel trowel, but do not force below surface. After broadcasting and tamping, apply trowel finishing as specified.
  2. After curing, lightly work surface with a steel wire brush or an abrasive stone, and water to expose nonslip aggregate.
- G. Colored Wear-Resistant Finish: Apply a colored wear-resistant finish to monolithic slab surface indicated.
1. Apply dry shake materials for the colored wear-resistant finish at a rate of 100 lb per 100 sq. ft., unless a greater amount is recommended by material manufacturer.
  2. Cast a trial slab approximately 10 ft. square to determine actual application rate, color, and finish, as acceptable to Architect.
  3. Immediately following the first floating operation, uniformly distribute with mechanical spreader approximately two-thirds of the required weight of the dry shake material over the concrete surface, and embed by power floating. Follow floating operation with second shake application, uniformly distributing remainder of dry shake material with overlapping applications to ensure uniform color, and embed by power floating.
  4. After broadcasting and floating, apply a trowel finish as specified. Cure slab surface with a curing compound recommended by the dry shake material manufacturer. Apply the curing compound immediately after the final finishing.
- H. Exposed Aggregate Finish: Provide a washed exposed aggregate finish at all exterior On-Site walks, steps and ramps.

### 3.11 MISCELLANEOUS CONCRETE ITEMS

- A. Filling In: Fill in holes and openings left in concrete structures for passage of work by other trades, unless otherwise shown or directed, after work of other trades is in place. Mix, place, and cure concrete as specified to blend with in-place construction. Provide other miscellaneous concrete filling shown or required to complete Work.
- B. Curbs: Provide monolithic finish to interior curbs by stripping forms while concrete is still green and by steel-troweling surfaces to a hard, dense finish with corners, intersections, and terminations slightly rounded.
- C. Equipment Bases and Foundations: Provide machine and equipment bases and foundations as shown on drawings. Set anchor bolts for machines and equipment to template at correct elevations, complying with diagrams or templates of manufacturer furnishing machines and equipment.

### 3.12 CONCRETE CURING AND PROTECTION

C. Selection Samples

1. Prior to installation of architectural colored concrete, contractor shall provide an on-site 2'-0" by 2'-0" mock-up of each concrete finish and color with respective score/sawcut and expansion joints for approval by the owner's representative. Upon request, the owner's representative may require modifications to be made to the mock-ups. The revised mock-ups shall be provided at no cost to owner. Once mock-ups have approved by the owner's representative, contractor shall retain approved mock-ups during construction as standard for judging completed work.

D. Maintenance Instructions: Deliver to Owner.

**1.05 DELIVERY, STORAGE & HANDLING**

- A. Store products in manufacturer's unopened packaging until ready for use.
- B. Replacements – In the event of damage, immediately make all replacements necessary to the approval of the Architect and at no additional cost to the Owner.
- C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
- D. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not use products under environmental conditions outside manufacturer's absolute limits.

**PART 2 - PRODUCTS**

**2.01 MANUFACTURERS**

- A. Based on products available by L.M. Scofield Company  
6533 Bandini Blvd.  
Los Angeles, Ca. 90040  
1-800-800-9900  
[www.scofield.com](http://www.scofield.com)
- B. Submit request for changes in accordance with Page 2.7-SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

**2.02 MATERIALS**

- A. Integral Color Admixture – All concrete designated as integrally colored concrete in plans or specifications shall contain the proper proportion of Chromix admixture for color conditioned concrete as manufactured by the L.M. Scofield Company. It shall be certified that the colored admixtures comply with the requirements of paragraph 407 of ACI 318-83 (Building code requirements for reinforced concrete) as water-reducing admixtures, and that their water-reducing components have tested for compliance with ASTM C494. The color-conditioned admixture shall be a single-component pigmented, water-reducing concrete admixture, factory formulated, and packaged in cubic yard increments, not multiple additives and pigments to dosed separately into the mix. The pigment portion of the colored admixture shall comply with ASTM C979. No Known Equal.
- B. Color as follows
  1. All locations: 5234-SUMMER BEIGE

- 1.06 **WARRANTY** – Under provisions of Section 01700: Provide a five-year warranty against defects in material and workmanship.

## **PART 2 – PRODUCTS**

### **2.01 ACCESS LADDERS**

- A. Based on products available by:

O'Keeffe's Inc.  
325 Newhall Street  
San Francisco CA 94124-1432  
1-415-822-4222 (TEL)  
1-888-653-3333 (TOLL FREE)  
1-415-822-5222 (FAX)  
www.okeeffes.com

- B. Submit request for changes in accordance with Page 2.7-SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

### **2.02 PRODUCTS**

- A. Design is based on products available from O'Keeffe's Inc. as a standard of quality.
1. Model #500 – Fixed access ladder with standard mill finish.

## **PART 3 – EXECUTION**

### **3.01 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Apply bituminous paint on metal surfaces of units in contact with cementitious materials and dissimilar metals.

**END OF SECTION**

1. Typical profiles at trim.
- C. Samples under provisions of Section 01300 to include:
  1. Wood-base and trim with color paint. Refer to Section 09900.

#### **1.06 Product Handling**

##### **A. Protection**

1. Finish materials to be stored at the job site in a safe dry place with all labels intact and legible at time of installation.
2. Use all means to protect finish materials before, during, and after installation. Do not allow products to become wet or damp.

- ##### **B. Replacements** – In the event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the City.

#### **1.07 Operation and Maintenance Manuals** – Under provisions of Section 01700:

#### **1.08 Warranty** – Under provisions of Section 01700:

### **PART 2 – PRODUCTS**

#### **2.01 Wood Sill (Stool & Apron) at Windows – WIC Custom Grade, Paint Grade Birch.**

#### **2.02 Wood Base – 9/16' x 3-1/2" WIC Custom Grade Paint Grade Birch**

#### **2.03 Other Materials** – All other materials as required for a proper and complete installation of all products shall be selected by Contractor and subject to approval of Architect.

### **PART 3 – EXECUTION**

#### **3.01 Surface Conditions**

##### **A. Inspection**

1. Prior to all work of this section, carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly commence.
2. Verify that finish carpentry may be completed in strict accordance with the original design and all pertinent codes and regulations.

## SECTION 06410

### ARCHITECTURAL WOODWORK

#### PART 1 - GENERAL

##### 1.01 WORK INCLUDED - Work includes, but is not necessarily limited to:

- A. Laminated counter top surfaces
- B. Laminated base cabinets
- C. Laminated upper cabinets
- D. Laminated shelving
- E. Laminated Dorm lockers
- F. All associated accessories to provide a complete installation

##### 1.02 RELATED WORK DESCRIBED ELSEWHERE

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 03300 Cast-in-Place Concrete
- C. Section 06100 Rough Carpentry
- D. Section 06200 Finish Carpentry
- E. Section 09100 Metal Support Assemblies
- F. Section 09250 Gypsum Board
- G. Section 09300 Tile
- H. Section 09680 Carpeting
- I. Section 09900 Paint & Coatings
- J. Section 10800 Toilet, Bath & Laundry Accessories
- K. Division 15 Plumbing & Mechanical
- L. Division 16 Electrical

##### 1.03 QUALITY ASSURANCE

- A. Installer: Work to be performed only by workers thoroughly skilled and specially trained in the techniques of cabinets and custom counters, and who are completely familiar with the published recommendations of the manufacturer of the materials being used.
- B. All work shall conform to W.I.C. Custom Grade before delivery to the job site. The millwork supplier shall issue a W.I.C. Certificate Compliance Certificate indicating the grade of millwork products to be furnished for this job and certifying that they will fully meet all the requirements of the grade specified. The shop drawings shall bear W.I.C. Certified Compliance label. Each unit of casework shall bear the W.I.C. Certificate Compliance label. Each plastic laminate countertop shall bear the W.I.C. Certified



- B. Plywood: Medium density overlay – exterior use.
- C. Exposed Open Shelving: 3/4" particleboard -- Plastic laminate top, bottom, and face.
- D. Cabinet and Face Shelving: 3/4" particleboard -- Plastic laminate top, bottom, and face.
- E. 3/4" paint grade veneer plywood – Casework at Apparatus Bays (131).

## 2.02 ACCEPTABLE LAMINATE MANUFACTURERS

- A. Formica brand
- B. Wilsonart brand
- C. Nevamar Corporation
- B. Or approved equal

## 2.03 INTERIOR ARCHITECTURAL CASEWORK

A. Conference (101), Storage (104, 112), Hall (106, 129 & 130), Station Office (107), Captain's Office (108), Pantry (111), Linen (113), Dorm Rooms (119 – 124), Exercise (125):

- 1. Countertop: Formica, matte finish – Jute Gauze #7709-58
- 2. Interior Shelves: Melamine-Color: Light Beige
- 3. Upper cabinets: Formica, matte finish – Beige #958-58
- 4. Base cabinets, Formica, matte finish – Beige #958-58

B. Women (103), Men (105), Bath Rooms (126-128):

- 1. Countertop: Formica, matte finish – Copper Gauze #7710-58
- 2. Interior Shelves: Melamine-Color: Light Beige
- 3. Upper cabinets: Formica, matte finish – Beige #958-58
- 4. Base cabinets, Formica, matte finish – Beige #958-58

C. Kitchen (116), Dining (117):

- 1. Countertop: Stainless Steel per DIVISION 5 - METALS
- 2. Interior Shelves: Melamine-Color: Light Beige
- 3. Upper cabinets: Formica, matte finish – Beige #958-58
- 4. Base cabinets, Formica, matte finish – Beige #958-58

D. Dayroom (118):

- 1. Countertop: Formica, matte finish – Jute Gauze #7709-58
- 2. Interior Shelves: Melamine-Color: Light Beige
- 3. Upper cabinets: Formica, matte finish – Beige #958-58
- 4. Base cabinets, Formica, matte finish – Beige #958-58

E. Janitor (114 & 134), Supply (115), Apparatus – Desk (131):

1. Countertop: Formica, matte finish – Contract Gray #462-58
2. Interior Shelves: Melamine-Color: Light Gray
3. Upper cabinets: Formica, matte finish – Folkstone #927-58
4. Base cabinets: Formica, matte finish – Folkstone #927-58

F. Apparatus (131):

1. Countertop: Galvanized Metal per DIVISION 5 - METALS
2. Interior Shelves: Melamine-Color: Light Gray
3. Upper cabinets: Formica, matte finish – Folkstone #927-58
4. Base cabinets: Formica, matte finish – Folkstone #927-58

**2.04 HARDWARE**

- A. Hinges: Blum 125°, self-closing, steel arm, and nickelplated #71T5550.
- B. Drawer Guides: Hettich #34, ¾" extension 100 lb. Rated; Blum B5 430E, Full extension, 100 lb. At file drawers.
- C. Pulls: Integral, to be selected from standard line.
- D. Cabinet Locks: Lamp 6810 million lock.
- E. Shelf Pins: Hettich #50.021.786, 50.016.721, off-white.

**2.04 ACCESSORIES**

- A. Adhesive: Type recommended by laminate manufacture to suit application.
- B. Fasteners: Size and type to suit application; no exposed fasteners.
- C. Grommets.

**2.05 SHOP FABRICATION OF CABINETS**

- A. Cabinets to be WIC Standard Type 1, Style A, Custom Grade.
- B. Shop assemble casework for delivery to site in its easily handled and to permit passage through building openings.
- C. Door and Drawer Fronts: ¾-inch thick.
- D. Drawer Boxes: ½-inch white melamine sides, ¼-inch vinyl bottoms.
- E. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- F. Cap exposed plastic laminate edges with material or same finish and pattern at countertops.
- G. Countertops to be self-edged.
- H. All backsplashes are to be integral with countertops, except where noted otherwise.

## **PART 2 – PRODUCTS**

### **2.01 Manufacturers**

- A. Marlite; 202 Harger Street, Dover, OH 44622. ASD. Tel: (330) 343-6621. Fax: (330) 343-7296. Email: info@marlite.com www.marlite.com
- B. Requests for substitutions will be considered in accordance with page 2.7, SUBSTITUTIONS OF MATERIAL.

### **2.02 Materials**

- A. Accessories: As required by manufacturer

### **2.03 FRP Panel System**

- A. Plastic Panel System: Factory finished panels, trim, sealant, and accessories.
- B. Panels: Marlite FRP Panels (Fiberglass reinforced polyester), USDA approved for incidental food contact.
  - 1. Thickness: 3/32 inch (2.4 mm), nominal.
  - 2. Width: 48 inches (1220 mm).
  - 3. Height: 108 inches (2743 mm).
  - 4. Surface Burning Characteristics: Flame spread index of 200 or less, smoke developed index of 450 or less, when tested in accordance with ASTM E 84 (Class C/III).
  - 5. Flexural Strength: 17,000 psi (117 MPa), when tested in accordance with ASTM D 790.
  - 6. Flexural Modulus: 600,000 psi (4137 MPa), when tested in accordance with ASTM D 790.
  - 7. Tensile Strength: 8,000 psi (55 MPa), when tested in accordance with ASTM D 638.
  - 8. Tensile Modulus: 9,430 psi (65 MPa), when tested in accordance with ASTM D 638.
  - 9. Barcol Hardness: 40, when tested in accordance with ASTM D 2583.
  - 10. Impact Resistance: 7 ft-lb/in (1225 N/m), when tested in accordance with ASTM D 256, Izod method.
  - 11. Coefficient of Thermal Expansion: 0.0000157 in/in/degree F (0.0000283 mm/mm/degree C), measured in accordance with ASTM D 696.
  - 12. Water Absorption: 0.17 percent, when tested in accordance with ASTM D 570.
  - 13. Specific Gravity: 1.53, when tested in accordance with ASTM D 792.
  - 14. Surface Texture: Gently Pebbled
  - 15. Color: Grey

## SECTION 07320

### ROOF TILES

#### PART 1 GENERAL

##### 1.01 Work Included – Work includes, but is not necessarily limited to:

- A. Clay one piece "S" roofing tiles with battens.
- B. Nails, fasteners, mortar, and accessory tiles.
- C. Underlayment and flashing as required.
- D. All attachments and accessories as required for a complete installation.

##### 1.02 Related Work Described Elsewhere

- A. Section 06200 Finish Carpentry
- B. Section 07620 Sheet Metal Flashing & Trim
- C. Section 07700 Roof Specialties & Accessories
- D. Section 07920 Joint Sealants & Caulking
- E. Section 09200 Portland Cement Plaster
- F. Section 09900 Paint & Coatings
- G. Section 10200 Louvers & Vents
- H. Section 11450 Residential Equipment
- I. Division 15 Plumbing & Mechanical
- J. Division 16 Electrical

##### 1.03 Reference Standards

- A. Fire Test: Class A Roof, ASTM E 108, UBC Standard 15-2.

##### 1.04 Quality Assurance

- A. Manufacturer – Clay tile roofing to be installed per manufacturer's installation procedures.
- B. Installer – Work to be performed only by workers thoroughly skilled and specially trained in the techniques of laying roof tile, and who are completely familiar with the published recommendations of the manufacturer of the roofing tile material being used.
- C. Testing and inspection per Title 24, Part 2, CCR. The Contractor is required to provide the test sample assembly for the testing procedure as directed by UBC Section 1507.7.
- D. Pre-installation conference to be held prior to the start of work per Section 01200.

##### 1.05 Submittals

- A. Product Data -- Submit material specifications, manufacturer's installation, and maintenance instructions under provisions of Section 01300.
- B. Samples under provisions of Section 01300 to include:
  - 1. Submit three (3) sample roofing tiles to Architect for approval of color range representing the lightest and darkest in the range; all roofing tiles subsequently installed shall be within this color range.

## **1.06 Product Handling**

- A. Protection
  - 1. Roofing tile to be stored at the job site in a safe, dry place with all labels intact and legible at time of installation.
  - 2. Use all means to protect roofing tile before, during, and after installation.
- B. Replacements -- In the event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

## **1.07 Warranty – Under provisions of Section 01700:**

- A. Manufacturer Warranty on Products: 50 years.
- B. Installation Warranty: Protection against all damages caused by incorrect installation. Provide a written 5-year well-crafted installation warranty.

## **PART 2 PRODUCTS**

### **2.01 Manufactures**

- A. U.S. Tile
- B. Or approved equal.

### **2.02 Roof Material**

- A. Manufacturer: U.S. Tile
- B. Type: One piece "S"
- C. Color – Station 15: Palmero
- D. Color – Station 17: De Anza Blend
- E. Approvals: ICBO Evaluation Report #2656P

*Note:* The roofing tiles are to meet special performance requirements outlined in Title 24, Part 2, CCR.

- 2.03 **Underlayment** – Two (2) layers of 30# impregnate asphaltic building paper applied first. Application should have a two-inch (2") headlap, four-inch (4") sidelap. Extra underlayment should be used at ridge.
- 2.04 **Nails and Fasteners** – All nails, fastener types, and number of fasteners are to be installed per UBC Section 1507.7 and Tables 15-D-1 and Tables 15-D-2 and manufacturer's specifications.
- 2.05 **Other Materials** – All other materials, not specifically described, but required for a complete and proper installation of tile roofing, shall be as selected by the Contractor subject to the approval of the Architect.

## SECTION 07700

### ROOF SPECIALTIES & ACCESSORIES

#### PART 1 GENERAL

##### 1.01 Work Included – Work includes, but is not necessarily limited to:

- A. Galvanized steel gutters
- B. Galvanized steel downspouts
- C. Schedule 40 galvanized pipe with cont. welded seam downspouts
- D. All connecting pieces, anchorage, fasteners, and accessories necessary to provide a complete installation

##### 1.02 Related Work Described Elsewhere

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.
- B. Division 2 Site Work
- C. Section 03300 Cast-in-Place Concrete
- D. Section 04220 Concrete Masonry Units
- E. Section 05500 Metal Fabrications
- F. Section 06100 Rough Carpentry
- G. Section 07130 Elastomeric Sheet Waterproofing
- H. Section 07320 Roof Tiles
- I. Section 07620 Sheet Metal Flashing & Trim
- J. Section 07920 Joint Sealers & Caulking
- K. Section 09900 Paint & Coatings
- L. Division 15 Plumbing & Mechanical

##### 1.03 Quality Assurance

- A. Installer - Work to be performed only by workers thoroughly skilled and specially trained in the installation of rain gutters and downspouts, and who are completely familiar with the published recommendations of the manufacturer of the galvanized steel material being used.

##### 1.04 References -- In addition to complying with all pertinent codes and regulations:

- A. Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA)

##### 1.05 Submittals

- A. Product Data -- Submit material specifications, manufacturer's installation, and maintenance instructions under provisions of Section 01300.
- B. Shop drawings under provisions of Section 01300. Drawings to include:
  - 1. Description of all prefabricated gutter, downspout, materials, and attachments.
  - 2. Drawings showing layout, profiles, methods of joining, and anchorage details.

## 1.06 Product Handling

- A. Protection
  - 1. Gutters and downspouts to be stored at the job site in a safe dry place with all labels intact and legible at time of installation.
  - 2. Use all means to protect sections before, during, and after installation. Do not allow products to become bent or warped.
- B. Replacements -- In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

## PART 2 - PRODUCTS

### 2.01 Materials

- A. Gutters and Downspouts:
  - 1. GUTTERS - 22 GA. Min., seamless, galvanized Dimensions: as shown on construction drawings, Type: Similar to SMACNA Figures 1-2B profile, 1-24C outlet sleeves, 1-24D strainer.
  - 2. SHEET METAL DOWNSPOUTS - 4" Diameter 22 GA. round
  - 3. PIPE DOWNSPOUTS - 4" Schedule 40 galvanized cont. welded seem pipe.
  - 4. GUTTER HANGERS - SMACNA, Figures 1-19B. Spacer strap and support bracket.
  - 5. DOWNSPOUT HANGERS - SMACNA, Figures 1-35G.
  - 6. EXPANSION JOINTS - Similar to SMACNA figure 1-7 butt type; spaced 50 ft. o.c. maximum, locate at midpoint between downspouts typically.
- B. Anchorage Devices: Type recommended by manufacturer as required for installation of work, noncorrosive, size, and gauge required for performance.

### 2.03 Fabrication

- A. Form gutters, profiles and sizes indicated on drawings and as required to properly collect and remove water. Fabricate complete with required connection pieces.
- B. Form sections square, true and accurate in size, in maximum possible lengths and free of distortions and defects detrimental to appearance or performance. Hem exposed edges. Allow for expansion at joints.

2.04 Finish -- To be painted to match adjacent wall surface -- Refer to schedule, Section 09900.

2.05 Attachment -- As per manufacturer's instructions and construction drawings.

## SECTION 08100

### METAL DOORS & FRAMES

#### PART 1 GENERAL

##### 1.01 Work Included – Work includes, but is not necessarily limited to:

- A. Exterior galvanized hollow metal frames
- B. Interior galvanized hollow metal frames – non-rated
- C. Galvanized hollow metal doors – non-rated
- D. Door louvers
- E. Accessories as required for a complete installation

##### 1.02 Related Work Described Elsewhere

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 03300 Cast-in-Place Concrete
- C. Section 05500 Metal Fabrications
- D. Section 06100 Rough Carpentry
- E. Section 06200 Finish Carpentry
- F. Section 07130 Elastomeric Sheet Waterproofing
- G. Section 07620 Sheet Metal Flashing & Trim
- H. Section 07920 Joint Sealants & Caulking
- ~~L. Section 08210 Wood Doors~~
- I. Section 08700 Hardware
- J. Section 08800 Glazing
- K. Section 09200 Portland Cement Plaster
- L. Section 09250 Gypsum Board
- M. Section 09300 Tile
- N. Section 09680 Carpeting
- O. Section 09900 Paint & Coatings
- P. Section 10400 Identification Devices

##### 1.03 Quality Assurance

- A. Installer – Work to be performed only by workers thoroughly skilled and specially trained in the techniques of finish carpentry, and who are completely familiar with the published recommendations of the manufacturer of the steel doors and frames being used.

##### 1.04 References – In addition to complying with all pertinent codes and regulations:

- A. DHI - Door Hardware Institute: The installation of Commercial Steel Doors and Steel Frames, Insulated Steel Doors in Wood Frames and Builder's Hardware.
- B. SDI - 100 (91): Standard Steel Doors and Frames
- C. SDI - 115: Water resistance on steel door and frame assemblies
- D. ASTM B117: Salt Spray Resistance



- E. ASTM D2247: Condensing Humidity Resistance
- F. ASTM C236 and SDI 113: Thermal Perf. Test for Steel Door and Frame Assemblies
- G. ASTM E90 and SDI 114: Acoustical Performance Test for Steel Door and Frame Assemblies

#### 1.05 Submittals

- A. Product Data – Submit material specifications, manufacturer's installation, and maintenance instructions, and door schedule under provisions of Section 01300.

#### 1.06 Product Handling

- A. Protection
  - 1. Door, frames, and windows to be stored at the job site in a safe dry place with all labels intact and legible at time of installation.
  - 2. Use all means to protect doors, frames, and windows before, during and after installation. Do not allow products to become damp or wet. Break seal on site to permit ventilation.
- B. Replacements – In the event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

### PART 2 PRODUCTS

- 2.01 Acceptable Manufacturers – All selected materials listed in this section are based on the products of Republic Builders Products, GPX, Anemostat, and Air Louvers, Inc. as a standard of quality. Substitutions will be considered in accordance with Page 2.7-SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

#### 2.02 Frames

- A. Manufacturer: Republic Builders Products
- B. Frames: Refer to Door Details and Door Schedule.
  - 1. Exterior and Interior Frames in masonry opening: Non-rated, galv. finish.
    - a. Mitered frame: ME Series 16-gauge
    - b. Adjustable masonry anchor with sill anchor
  - 2. Exterior and Interior Frames in metal-framed opening: Non-rated, galvanized finish.
    - c. Mitered frame: ME Series 16-gauge  
Adjustable metal-framed anchor with sill anchor

#### 2.03 Doors

- A. Manufacturer: Republic Builders Products
- B. Doors: Refer to Door Types and Door Schedule
  - 1. Interior Doors - Non-rated
    - a. DE Series Flush Door: 18-gauge, heavy duty, galvanized
  - 2. Exterior Doors - non-rated
    - a. DE Series Flush Door: 16-gauge, heavy duty, galvanized

#### 2.04 Door Core -- Honeycomb core

## **2.05 Door Accessories**

- A. Door Silencers - Refer to Article 2.08.D.
- B. Thresholds - Refer to Section 08710, Finish Hardware
- C. Fire gasket - Refer to Section 08710, Finish Hardware
- D. Louvers
  - 1. Manufacturer: Anemostat
  - 2. Material: Anemostat AFDL, roll-formed 20-gauge steel louver blades; 18-gauge frame. Mount flush into doors without overlapping moldings on surface of door facing sheets.
  - 3. Louver blade: Inverted "V" blade, sightproof, stationary type.
  - 4. Finish - Baked enamel finish, color to be determined.
- E. Door Lites - Non-rated.
  - 1. Manufacturer: Anemostat
  - 2. Model #LOPRO, 20-gauge frame, galvanized
  - 3. Finish - Baked enamel finish, color to be determined
  - 4. Glazing - Refer to Specification Section 08800.

## **2.06 Glazing**

- A. Door: See above article 2.05.E.
- B. Windows
  - 1. Refer to Specification Section 08800.

## **2.07 Protective Coatings**

- A. Bituminous Coating: Fibered asphalt emulsion
- B. Primer: Zinc chromate type. Confirm compatibility with the specified paint system prior to application.

## **2.08 Fabrication - welded units**

- A. Fabricate frames as welded unit type.
- B. Fabricate frames and doors with hardware reinforcement plates welded in place. Provide mortar guard boxes.
- C. Reinforced frames wider than 48 inches with roll-formed steel channels fitted tightly into frame head, flush with top.
- D. Prepare door frames weather-stripping and sound seal for silencers. Provide three single rubber silencers for single doors and mullions of double doors on strike side, and two single silencers on frame head at double doors without mullions.
- E. Close top edge of exterior door flush with inverted steel channel closure. Seal joints watertight.
- F. Prepare door bottom and verify height of door with specific door bottoms and threshold. Refer to Section 08710.

## SECTION 08210

### WOOD DOORS

#### PART 1 - GENERAL

##### 1.01 Summary

- A. Wood doors prepared for plastic laminate surfacing and edging and for hardware as indicated on the Drawings and specified herein.

##### 1.02 Related Work described Elsewhere

- A. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.
- B. Section - 08100 Metal Doors & Frames
- C. Section - 08700 Hardware
- D. Section - 09900 Paint & Coatings

##### 1.03 Reference Standards

- A. ASTM E90-90 - Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
- B. Quality Standards:
  - 1. ASTM E152 - Methods of Fire tests of Door Assemblies
  - 2. NFPA 80 Fire Doors
  - 3. NFPA 252 - Standard Method of Fire Tests for Door Assemblies
  - 4. NWWDA Industry Standard I.S. 1-A-97 (National Wood window and Door Association).
  - 5. AWI Quality Standards
  - 6. ANSI A115. W Series, Wood Door Hardware Standards, (American National Standard Institute)
  - 7. WIC quality Standards of Woodwork Institute of California

##### 1.04 Submittals

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Illustrate door opening criteria, elevations, sizes, types, swings, undercuts, special beveling, blocking for hardware in mineral core doors, identify cutouts
- C. Furnish a WIC Certified Compliance label on the first of page of shop drawings.
- D. Product Data: Indicate door core materials, thickness, construction, veneer species if applicable.
- E. Construction Samples: Submit one or more of manufacturer's colored samples demonstrating door construction.
- F. Finish samples: A set of Laminate samples illustrating the range of color and grain of the specified door face materials.
- G. Manufacturer's full lifetime warranty.

### **1.05 Quality Assurance**

- A. Meet or exceed NWWDA I.S.1-A Premium Grade and/or AWI Version 7 Custom Grade.

### **1.06 Delivery Storage and Handling and Site Conditions**

- A. Deliver, store, protect and handle products under provisions of NWWDA, AWI and manufacturer's instructions.
- B. Accept doors on site in manufacturer's standard packaging. Inspect for damage. Do not store in damp or wet areas where light might cause oxidation.
- C. HVAC systems should not be operating and balanced prior to arrival of doors. Acceptable humidity shall be no less than 25% nor greater than 55%.

### **1.07 Coordination**

- A. Coordinate the work with door opening construction, door frame, and door hardware installation with a pre-installation conference.

### **1.08 Warranty**

- A. Provide manufacturer's warranty to the following term:
  - 1. Interior Solid Core Doors: "Full Life of Original Installation" including rehang and refinish if door(s) do not comply with Warranty tolerance standards.
  - 2. Include coverage for delaminating, warping, bow, cup and telegraphing of core construction beyond warranty tolerances.

## **PART 2 PRODUCTS**

### **2.01 Manufacturers:**

- A. Selected materials listed in this section are based on the products of Marshfield Door Systems, Inc. All doors are to be manufactured per WIC, AWI and WDMA Custom Grade standards.
- B. Approved equal.

### **2.02 Door Facing**

- A. Face Veneer: AWI (A) grade.
- B. Veneer Species: Birch-White-Signature Series.
- C. Veneer Cut: Rotary-Sliced.
- D. Veneer Finish: Espresso
- E. NWWDA I.S.6-91 Select Grade construction, non rim banded.

### **2.03 Materials**

- A. Stiles, Rails, Mullions and Crossrails: Shall be veneered construction using structural composite lumber core. Joints to be tongue and grooved, doweled, and glued under pressure with type I, waterproof glue.
- B. Panels: Single ply medium density particleboard core with perimeter shaped to proper contour, and laminated with veneer to form a 3-ply panel. Panel edge concealed after assembly by solid lumber sticking bead.

- C. Sticking: Oval profile, coped at corners, same species as face veneer.
- D. Component face dimensions, prior to cutting final door clearances, shall be per Marshfield standard :
- E. Door Configuration: Standard door configuration # W-403
- F. The outer most vertical edges of the lock or hinges stiles, on single doors: Lumber of same species as face veneer.
- G. Meeting vertical edge of stiles on fire rated pair doors: Fire rated Maple lumber, veneer banded to match face veneers.

## 2.04 Adhesives

- A. Facing Adhesive: Type I - waterproof

## 2.05 Fabrication

- A. Fabricate 20 minute fire rated and non-rated doors in accordance with specified manufacturers' and Intertek testing Services – Warnock Hersey requirements.
- B. Provide twenty (20) minute paired openings with doors not requiring an overlapping metal edge or astragals: Veneer band meeting stile edges to match face species.
- C. Machining
  - 1. Factory machine doors for finish hardware in accordance with hardware requirements and dimensions. Do not machine for surface hardware. Apply appropriate fire label.
  - 2. factory prefit doors for frame opening dimensions identified on shop drawings
- H. Door finish: factory finish doors in accordance with AWI Quality Standard Section 1500, to the following finish designations:
  - 1. System TR-6 performance criteria, transparent, custom grade quality, Plain-Sliced, Birch-White-Signature Series, Wine 38-95

## 2.03 Accessories

- A. Door Lite-Non-rated
  - 1. Manufacturer: Anemostat
  - 2. Model # LOPRO, 20-gauge frame, galvanized
  - 3. Finish – Baked enamel finish, color to match metal door frame finish
  - 4. Glazing – Refer to specification Section 08811.
- B. Hardware: Provide concealed vertical rod and exit device. Refer to door schedule

## PART 3 - EXECUTION

### 3.01 Examination

- A. Installer must examine doors and door frames, and verify that frames are correct type and have been installed as required for proper hanging of corresponding doors. Notify Architect in writing of conditions detrimental to proper and timely installation of wood doors. Do not proceed with installation if frame openings are not plumb or are out of tolerance for size or alignment. Do not hang doors with an apparent defect.

### **3.02 Preparation**

- A. Store doors in a well ventilated building, cover to keep clean, but allow circulation. Relative humidity must be between 30% and 60%.
- B. Condition doors to average prevailing humidity in installation area prior to hanging.

### **3.03 Installation**

- A. Manufacturer's Instructions: Install wood doors in accordance with manufacturer's instructions and as shown. Manufacturer's instructions shall be made available to inspecting authorities.
- B. Job Fit Doors: Trim door height by cutting bottom edges to a maximum of  $\frac{3}{4}$ ". Trim fire door height at bottom edge only, in accordance with fire rating requirements.
- C. Pilot drill screw and bolt holes using templates provided by hardware manufacturer.
- D. Machine cut for hinges. Bore for handsets and cylinders.
- E. Coordinate installation of doors with installation of frames specified in Section 081110 and hardware specified in Section 09710.
- F. Maximum Diagonal Distortion (Wrap):  $\frac{1}{4}$ " measured with straight edge or taut string. Corner to corner, over an imaginary 42 x 48 inch surface area.
- G. Maximum Vertical Distortion (Bow):  $\frac{1}{4}$ " measured with straight edge or taut string, top to bottom, over an imaginary 42 x 48 inch surface area.
- H. Maximum Width Distortion (Cup) :  $\frac{1}{4}$ " inch measured with straight edge or taut string, edge to edge, over an imaginary 42 x 48 inch surface area.

### **3.04 Adjusting**

- A. Adjust doors for smooth and balanced door movement.

### **3.05 Protection**

- A. Conform to NWWDA standards and testing methods for warp, cup, bow, and telegraphing.

**END OF SECTION**

## SECTION 08310

### ACCESS DOORS & PANELS

#### PART 1 - GENERAL

**1.01 Work Included** – Work includes, but is not necessarily limited to:

- A. Access doors for walls and ceilings at interior and exterior locations.

**1.02 Related Sections**

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 06100 Rough Carpentry
- C. Section 07920 Joint Sealants & Caulking
- D. Section 08700 Hardware
- E. Section 09220 Portland Cement Plaster
- F. Section 09250 Gypsum Board
- G. Section 09300 Tile
- H. Section 09900 Paint & Coatings

**1.03 Submittals**

- A. General: In accordance with conditions of Division 1 specifications.
1. Shop Drawings
  2. Manufacturer's literature and data

**1.04 Quality Assurance**

- A. Provide all access panels for the project by the same source and the same manufacturer.
- B. Obtain design professional's approval of sizes that may vary slightly from those indicated when they are not in accordance to manufacturer's standards.

**1.05 Delivery, Storage and Handling**

- A. Protection
1. Access doors to be stored at the job site in a safe, dry place with all labels intact and legible at time of installation.
  2. Use all means to protect doors before, during, and after installation. Do not allow products to become damp or wet. Break seal on site to permit ventilation.
- B. Replacements – In the Event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the City.

## PART 2 - PRODUCTS

### 2.01 Manufacturers

A. Babcock-Davis  
1701 Madison St. NE  
Minneapolis, MN 55413  
P: 888.412.3726 or 612.706.1386  
F: 888.312.3726 or 612.781.6128  
www.cierraproducts.com

B. Substitutions shall be considered under page 2.7, SUBSTITUTION OF MATERIAL.

### 1.02 Materials

#### A. Recessed Panel

1. Door: 16 gauge cold rolled steel
2. Frame: 16 gauge cold rolled steel with 22 gauge galvanized drywall corner bead (for gypsum board applications) or 22 gauge galvanized plaster casing bead (for cement plaster applications)
3. Hinge: Concealed pivoting rod hinge
4. Latch: Screwdriver cam latch
5. Finish: Phosphate dipped and prime coated
6. Pan Depth: 5/8" at recessed panels

#### B. Flush Panels

1. Door: 14 gauge cold rolled steel
2. Frame: 16 gauge cold rolled steel with 22 gauge galvanized drywall
3. Hinge: Concealed continuous piano hinge
4. Latch: Screwdriver cam latch
5. Finish: Phosphate dipped and prime coated

### 1.03 Access Panels

#### A. Larger than 12"x12"

1. Gypsum Board - Model B-RW
2. Cement Plaster - Model B-RP

#### B. 12"x12" and smaller

1. Gypsum Board - Model B-NW
2. Cement Plaster - Model B-NP

### 2.04 Fabrication

- A. Manufacture each access panel assembly as an integral unit ready for installation.
- B. Furnish number of latches required to hold door flush in smooth plane when closed.



## SECTION 08400

### ENTRANCES & STOREFRONTS

#### PART 1 - GENERAL

##### 1.01 SUMMARY

- A. Section Includes:
  - 1. Storefront system, complete with reinforcing, fasteners, anchors, and attachment devices.
  - 2. Accessories necessary to complete work.
- B. Products Furnished But Not Installed Under This Section:
  - 1. Anchoring devices which are cast in concrete.

##### 1.02 RELATED WORK

- A. Conditions of the Contract, Division 1 - General Requirements, and Drawings apply to Work of this Section.
- B. Section 01300 - Submittals
- C. Section 05500 - Metal Fabrications
- D. Section 06100 - Rough Carpentry
- E. Section 07920 - Joint Sealants & Caulking
- F. Section 08520 - Aluminum Windows
- G. Section 08700 - Hardware
- H. Section 08800 - Glazing
- I. Section 09100 - Metal Support Assemblies
- J. Section 09220 - Portland Cement Plaster
- K. Section 09250 - Gypsum Board

##### 1.03 REFERENCES

- A. Aluminum Association (AA):
  - 1. DAF-45 - Designation System for Aluminum Finishes.
- B. American Architectural Manufacturers Association (AAMA):
  - 1. 501.2 - Field Check of Metal Curtain Walls for Water Leakage.
  - 2. 2605 - Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions and Panels.
  - 3. 606.1 - Specifications and Inspection Methods for Integral Color Anodic Finishes for Architectural Aluminum.
  - 4. 607.1 - Specifications and Inspection Methods for Clear Anodic Finishes for Architectural Aluminum.

9. Make provisions in framing for minimum edge clearance, nominal edge cover and nominal pocket width for thickness and type of glazing or infill used in accordance with recommendations of manufacturer and FGMA Glazing Manual.
- C. Entrance Doors:
1. Fabricate with mechanical joints using internal steel reinforcing plates and shear blocks attached with fasteners and by welding.
  2. Provide extruded aluminum glazing stops of mitered design, permanently anchored on security side and removable on opposite side.
- D. Hardware:
1. Receive hardware supplied in accordance with Section 08700 and install in accordance with requirements of this Section.
  2. Cut, reinforce, drill and tap frames and doors as required to receive hardware.
  3. Comply with hardware manufacturer's templates and instructions.
  4. Use concealed fasteners wherever possible.
- D. Welding:
1. Comply with recommendations of the American Welding Society.
  2. Use recommended electrodes and methods to avoid distortion and discoloration.
  3. Grind exposed welds smooth and flush with adjacent surfaces; restore mechanical finish.
- E. Flashings: Form from sheet aluminum with same finish as extruded sections. Apply finish after fabrication. Material thickness as required to suit condition without deflection or "oilcanning".

## **2.05 FINISHES**

- A. Color Anodized:
1. Conforming to AA-M12C22A44 and AAMA 606.1 and 608.1.
  2. Architectural Class I, etched, Dark Bronze colored anodic coating, 0.7mil minimum thickness.

## **PART 3 - EXECUTION**

### **3.01 EXAMINATION**

- A. Examine conditions and proceed with Work in accordance with Section 01400.

### **3.02 INSTALLATION**

- A. Erection Tolerances:
1. Limit variations from plumb and level:
    - a. 1/8 inch in 10'-0" vertically.
    - b. 1/8 inch in 20'-0" horizontally.
  2. Limit variations from theoretical locations: 1/4 inch for any member at any location.

**SECTION 08520**  
**ALUMINUM WINDOWS**

**PART 1 - GENERAL**

**1.01 Work Included** – Work includes, but is not necessarily limited to:

- A. Aluminum, Fixed and Casement with screens.
- B. All required attachments, hardware, and accessories.

**1.02 Related Work Described Elsewhere**

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 06100 Rough Carpentry
- C. Section 06200 Finish Carpentry
- D. Section 07130 Sheet Waterproofing
- E. Section 07620 Sheet Metal Flashing & Trim
- F. Section 07920 Joint Sealants & Caulking
- G. Section 08700 Hardware
- H. Section 08800 Glazing
- I. Section 09100 Metal Support Assemblies
- J. Section 09220 Portland Cement Plaster
- K. Section 09250 Gypsum Board
- L. Section 12490 Window Treatment

**1.03 Quality Assurance**

- A. Single Source Responsibility:
  - 1. To ensure quality of appearance and performance, obtain materials for systems from either a single manufacturer or from manufacturer approved by systems manufacturer.
- B. Installer Qualifications: Certified in writing by system manufacturer as qualified for installation of specified systems.
- C. Perform Work in accordance with AAMA SFM-1 and manufacturer's written instructions.
- D. Conform to requirements of ANSI A117.1 and local amendments.

**1.04 References** – In addition to complying with all pertinent codes and regulations:

- A. ANSI/AAMA 302.9-1977: Air, water, and structural test units sizes and configuration.
- B. ANSI/AAMA 101-85: Test Procedures and Performance
- C. ASTM E283: Air Infiltration Test
- D. ASTM E331: Water Resistance Test
- E. ASTM E330: Air Pressure Test
- F. AAMA 1502.7: Condensation Resistance Test
- G. AAMA 1503.1: Thermal Transmittance Test
- H. FSRR-W-365: Wire Fabric (Insect Screening)

## PART 2 - PRODUCTS

### 2.01 Manufacturers and Products

- A. Subject to compliance with requirements indicated, provide products by Moduline, a subsidiary of Vistawall Architectural Products, Terrell, TX.
- B. Substitutions: Submit under page 2.7, SUBSTITUTIONS OF MATERIAL.
- C. Acceptable Aluminum Windows:
  - 1. Casement Window: Signature Series (34P) with Renaissance Option (sloped sash), double glazed, factory finished, screens. Sight-lines of Casement windows shall match Fixed windows in appearance and be indistinguishable from one to the other when viewed from the exterior.
  - 2. Fixed Window: Signature Series (34P) with Renaissance Option (sloped sash), double glazed, factory finished
- D. Description:
  - 1. Frames:
    - a. Wall Thickness: 1/8 (.125)"
    - b. Depth: 3 1/4"
    - c. Design: Equal siteline between fixed and operator, 2" perimeter, 3 3/8" mullions.
  - 2. Ventilators:
    - a. Wall Thickness: 1/8 (.125)"
    - b. Depth: 3 1/4"
    - c. Design: Sloped exterior, tubular, flush with frame, center plane. Overlap will not be acceptable.
  - 3. Thermal Barrier:
    - a. Separation: 3/8"
    - b. Design: Provide poured-in-place polyurethane thermal barriers.

### 2.02 Framing Materials & Accessories

- A. Aluminum: Provide material of proper alloy and temper to meet specified requirements and compatibility with specified finishes.
  - 1. Extrusions: Comply with ASTM B 221. Extrusion tolerances shall meet ANSI H35.2.
- B. Hardware: Material shall be corrosion resistant and compatible with aluminum. Hardware must prove its strength and suitability by being installed on units which are tested in accordance with Specifications.
  - 1. Ventilator Hinges:
    - a. Type: Five Knuckle Semi-Concealed Butt
    - b. Material: Heavy Duty Aluminum with Stainless Steel Pin, Nylon Separators and End Caps
  - 2. Ventilator Locks:
    - a. Type: Locking Handle
    - b. Material: Die-Cast Zinc with Stainless Steel Strikes
    - c. Finish: Brushed Copper Nickel, Baked Enamel Aluminum, Medium Bronze, Chestnut Bronze
  - 3. Ventilator Handles or Operators:
    - a. Type: Single Arm Roto

**2.05 Finishes**

**A. Color Anodized:**

1. Conforming to AA-M12C22A44 and AAMA 606.1 and 608.1.
2. Architectural Class I, etched, Dark bronze colored anodic coating, 0.7mil minimum thickness.

**PART 3 - EXECUTION**

**3.01 Examination** – Verify wall openings and adjoining air and vapor seal materials are ready to receive work of this Section.

**3.02 Installation** – Install window frames and hardware in accordance with manufacturer's instructions.

**3.03 Tolerances** – Maximum Variation from Level or Plumb: 0.06 inches every three (3) feet.

**3.04 Adjusting**

- A. Adjust work under provisions of Section 01700.
- B. Adjust operating hardware for smooth operation.

**3.05 Cleaning**

- A. Clean work under provisions of Section 01700.
- B. Remove protective material from pre-finished aluminum surfaces.
- C. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Take care to remove dirt from corners. Wipe surfaces clean.
- D. Remove excess sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

**END OF SECTION**

## SECTION 08800

### GLAZING

#### PART 1 - GENERAL

**1.01 Work Included** – Work includes, but is not necessarily limited to:

- A. Mirrors and attachments
- B. Exterior and interior glazing using clear, standard, wired and tempered glass products
- C. Gaskets, sealants, attachments and accessories necessary to provide a complete installation

**1.02 Related Work Described Elsewhere**

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 05500 Metal Fabrications
- C. Section 07920 Joint Sealants & Caulking
- D. Section 08100 Metal Doors & Frames
- E. Section 08210 Wood Doors
- F. Section 08360 Overhead Doors
- G. Section 08400 Entrances & Storefronts
- H. Section 08520 Aluminum Windows

**1.03 Quality Assurance**

- A. Manufacturer – As listed in Part 2 or approved by Architect.
- B. Installer – Work to be performed only by workers thoroughly skilled and specially trained in the techniques of glazing, and who are completely familiar with the published recommendations of the manufacturer of the glass being used.

**1.04 References** – In addition to complying with all pertinent codes and regulations:

- A. Manual of Glazing of the Flat Glass Marketing Association
- B. Consumer Product Safety Standard 16 CFR 1201 CII
- C. ANSI Standard Z97.1
- D. Sealants Manual of the Flat Glass Marketing Association

**1.05 Submittals**

- A. Submit samples for each type of glass, 12 x 12 inch size.

**1.06 Product Handling**

- A. Protection – Use all means to protect glass and glazing before, during, and after installation and to protect the installed work and materials of all other trades.
- B. Replacements – In the event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

## PART 2 - PRODUCTS

- 2.01 Glass - General: Design is based on products of PPG and Safety and Fire Technology, Inc. (SAFTI). Substitutions shall be considered under page 2.7, SUBSTITUTION OF MATERIAL. All glass shall bear the label of its manufacturer and quality, and shall be distortion free.
- 2.02 Tempered Glass - Herculite or equal, 1/4-inch tempered, safety glass, tongless, clear.
- 2.03 Non-tempered Glass - PPG plate glass, vision quality, clear, 1/4-inch thick typical, unless required otherwise by manufacturer.
- 2.04 Windows - Insulating glazing unit thickness - 1"
- A. Exterior glazing shall be tempered (where required) 1/4" Gray/Bronze tinted glass with Low-E coating. Contractor to provide Gray and/or Bronze tint samples Colors/Shades available from the manufacturer for architect's selection.
  - B. Airspace = 1/2"
  - C. Interior glazing shall be tempered (where required) 1/4" glass.
  - D. Minimum Required Performance Values

1. Visible Light Transmission:	48%
2. U-Value, Winter:	0.48
3. U-Value, Summer:	0.57
4. SHGC:	0.50
5. Shading Coefficient:	0.58
6. Outdoor Visible Light Reflect.:	9%
- 2.05 Storefront - Insulating glazing unit thickness = 1"
- A. Exterior glazing shall be tempered (where required) 1/4" Gray/Bronze tinted glass with Low-E coating. Contractor to provide Gray and/or Bronze tint samples Colors/Shades available from the manufacturer for architect's selection.
  - B. Airspace = 1/2"
  - C. Interior glazing shall be tempered (where required) 1/4" glass.
  - D. Minimum Required Performance Values

1. Visible Light Transmission:	48%
2. U-Value, Winter:	0.48
3. U-Value, Summer:	0.57
4. SHGC:	0.50
5. Shading Coefficient:	0.58
6. Outdoor Visible Light Reflect.:	9%
- 2.06 Wire Glazing - PPG wire glass, vision quality, clear, 1/4" thick, type II, Class I. Where shown on the drawings.
- 2.07 Mirror - 1/4" plate glass, mirror glazing quality B with continuous top, bottom and side channels. Mitered corners. Channel finish - polished chrome.
- 2.08 Glazing Accessories - All glazing accessories shall be new, first quality of their respective kinds, and subject to the approval of the Architect.

## SECTION 09300

### TILE

#### PART 1 - GENERAL

1.01 **Work Included** - Work includes, but is not necessarily limited to:

- A. Porcelain Floor Tile - Mortar Set
- B. Porcelain Wall Tile at Showers - Mortar Set
- C. Porcelain Wall Tile - Thin Set
- D. Quarry Base Tile - Thin Set
- E. Tile grout
- F. Cementitious backing board
- G. All trim, adhesives and associated accessories necessary to provide a complete installation
- H. All necessary preparation of substrate, installation and clean up

1.02 **Related Work Described Elsewhere**

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 06200 Finish Carpentry
- C. Section 06410 Architectural Woodwork
- D. Section 06650 Solid Polymer Fabrications
- E. Section 08100 Metal Doors and Frames
- F. Section 08800 Glazing
- G. Section 09250 Gypsum Board
- H. Section 09680 Carpeting
- I. Section 09900 Paint and Coatings
- J. Section 10800 Toilet, Bath & Laundry Accessories
- K. Section 11450 Residential Equipment
- L. Division 15 Plumbing and Mechanical
- M. Division 16 Electrical

1.03 **Quality Assurance**

- A. Manufacturer: As specified in Part 2.
- B. Installer: Work to be performed only by workers thoroughly skilled and specially trained in the techniques of installing and grouting ceramic tile, and who are completely familiar with the published recommendations of the manufacturer of the ceramic tile and grout material being used.

1.04 **References** - In addition to complying with all pertinent codes and regulations:

- A. Manufacture all ceramic tiles in accordance with the provisions of ANSI 137.1.
- B. Install all ceramic tile in accordance with the referenced recommendations contained in the current edition of "Handbook for Ceramic Tile Installation" of the Tile Council of America, Inc. (TCA).



## 1.05 Submittals

- A. Product Data – Submit material specifications, manufacturer's installation, and maintenance instructions under provisions of Section 01300.
- B. Samples under provisions of Section 01300 to include:
  - 1. At least 15 days before award of the contract, and before any ceramic tile is delivered to the job site, submit to the Architect two (2) samples of all available colors of tile, grout and accessory units of the specified item.
- C. Master grade certificate.

## 1.06 Product Handling

- A. Protection
  - 1. Tile and grout to be stored at the job site in a safe, dry place with all labels intact and legible at time of installation.
  - 2. Use all means to protect tile and grout before, during, and after installation. Do not allow products to become wet or damp.
- B. Replacements – In the event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

## PART 2 – PRODUCTS

### 2.01 Manufacturers

- A. Dal-Tile
- B. American Olean
- C. Submit request for changes in accordance with Page 2.7-SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

### 2.02 Products – Design and materials are based on the products of Dal-Tile as a standard of quality.

- A. Men (103), Women (105), Bath (126, 127, 128)
  - 1. Floor Tile
    - a. Field Continental Slate by Dal-Tile  
Brazilian Green CS52  
12x12
    - b. Border Continental Slate by Dal-Tile  
Brazilian Green CS52  
6x6, 12x18 (cut to 6x18)
  - 2. Base Tile
    - a. Base Gold Rush by Dal-Tile  
Wheatland 5207  
6x12
  - 3. Wall Tile
    - a. Field Gold Rush by Dal-Tile  
Wheatland 5207  
6x6, 2x2 (above accent band at shower)

- h. Bullnose Gold Rush by Dal-Tile  
Wheatland 5207  
3x12 (cut to 2x12 as required)
    - c. Radius Gold Rush by Dal-Tile  
Wheatland 5207  
3x3 (cut to 2x as required)
    - d. Quarter Gold Rush by Dal-Tile  
Round Wheatland 5207  
1x8, 1x1 (outside corners)
  - 4. Wall Accent Band Tile
    - a. Tile 1 Gold Rush by Dal-Tile  
Wheatland 5207  
2x2
    - b. Tile 2 Gold Rushes by Dal-Tile  
California Sand 5203  
2x2
- B. Apparatus (131), Turnout (132), Compressor (133), Janitor (134), Electrical (135), Hose Storage (136)
  - 1. Base Tile
    - a. Bullnose Quarry Tile by Dal-Tile  
Base Arid Gray 0042  
6x6
    - b. Bullnose Quarry Tile by Dal-Tile  
Corner Arid Gray 0042  
6x6

## 2.02 Accessory Tile

- A. All accessory tile shall be in matching size, color, and finish. Stretcher tile can be the standard size of the manufacturer. Accessory tile shall be as required for a complete installation, and as follows:
  - 1. Provide surface bullnose trim at all open edges/ends.
  - 2. Provide surface bullnose trim at all tile abutting jamb conditions and extending beyond frame.
  - 3. Provide full-curved stretcher tile for all outside corners.

## 2.03 Cementitious Backing Board

- A.  $\frac{1}{2}$ " thick – high density, cementitious, glass fiber reinforced.
- B.  $\frac{1}{2}$ " thick with 2-inch wide coated glass fiber tape for joints and corners.

## 2.04 Mortar Bond Coat

- A. Floor Tile – Full mortar bed, ANSI A108.1A, B and C Portland Cement.
- B. Wall Tile – Dry-Set Mortar, ANSI A108.5 and A118.1 Portland Cement.

## 2.05 Grout

- A. Floor Tile – Latex Portland Cement, per ANSI 108.1A, 1B, 4, 5 and 7.
- B. Wall Tile – Latex Portland Cement, per ANSI 108.1A, 1B, 4, 5 and 7.

## **PART 2      PRODUCTS**

### **2.01    Paint Materials**

#### **A.      Manufacturer**

1.    All paint materials selected for coating systems for each type of surface shall be the product of a single manufacturer.
2.    Paints listed herein, unless otherwise designated in the "Painting Schedule", are based on the products of ICI Paints.
3.    Specialty coatings listed herein are the products of L.M. Scofield Co. and Davis colors.
4.    Copies of paint purchase receipts will be provided to the Owner or his representative.

#### **B.      Compatibility**

1.    All paint materials and equipment shall be compatible in use. Finish coats shall be compatible with prime coats; prime coats shall be compatible with the surface to be coated; all tools and equipment shall be compatible with the coating to be applied.
2.    Thinners, when used, shall be only those thinners recommended for that purpose by the manufacturer of the material to be thinned.
3.    Metal primer is prime coat (primer) applied to wood, metal, or gypsum board to seal and treat raw surfaces.
4.    Finish coat is a color coat applied over a primer.

#### **C.      Color**

1.    Color of all paints and products shall be per approved samples, as prepared from manufacturer's standard color line. All interior and exterior colors to be determined.
2.    All primers and undercoats are to be tinted to the approximate shade of the selected finish coat. Where the color schedule calls for the use of DEEP TONES, it is the responsibility of the painting contractor to utilize appropriate DEEP BASE PRIMER as manufactured by ICI Paints & Co. for use on the surface for which they are intended.

#### **D.      Workmanship**

1.    All materials shall be applied free from runs, sags, wrinkles, streaks, shiners, holidays, and brush marks.
2.    All materials shall be applied uniformly. If any reduction on the coating's viscosity is necessary, it shall be done in accordance with the manufacturer's label directions.
3.    Carry all finish coats to natural breaks and transitions.
4.    Allow each coat to dry before re-coating, adjusting manufacturer's MINIMUM time recommendations between coats to job conditions.
5.    Apply each coat to achieve the specified dry film thickness per coat. Achieving the total system recommended dry mil thickness with application rates in excess of those recommended and fewer coats than specified will not be accepted.
6.    Apply each coat of paint slightly darker (or lighter depending on the finish color) than the preceding coat unless otherwise approved.
7.    Enamels and undercoats are to be sanded smooth prior to topcoating.
8.    Tops, bottoms, and sides of doors and garage doors are to be finished with the same number of coats as the face.
9.    Where spray application is used, backrolling should immediately follow. Spraying alone without backrolling is unacceptable. Wet film gauges are to be used after backrolling to insure acceptable wet film thickness.

- B. Drywall – Eggshell
  - 1. Primer: One coat – ICI Dulux Ultra 1000 Basecoat Interior Wall Primer.
  - 2. Finish: Two coats – ICI Dulux Ultra 1403 Eggshell Interior Acrylic Wall & Trim Enamel.
- C. Drywall – Semi-gloss
  - 1. Primer: One coat – ICI Ultra 1000 Basecoat Interior Wall Primer.
  - 2. Finish: Two coats – ICI Dulux Ultra 1407 Semi-gloss Interior Acrylic Wall & Trim Enamel.
- D. Ferrous Metal – Low Lustre
  - 1. Primer: One coat – ICI Devco Coatings RustGuard 4140 Q.D. shop Coat Primer.
  - 2. Finish: Two coats – ICI Dulux Ultra 1403 Eggshell Interior Acrylic Wall & Trim Enamel.
- E. Ferrous Metal – Semi-gloss
  - 1. Primer: One coat – ICI Devco Coatings RustGuard 4140 Q.D. Shop Coat Primer.
  - 2. Finish: Two coat – ICI Dulux Ultra 1407 Semi-gloss Interior Acrylic Wall & Trim Enamel.
- F. Galvanized Metal -- Semi-gloss
  - 1. Primer: One coat – ICI Ultra-Hide 3210-1200 Aquacrylic Gripper Stain Killer Primer-Sealer.
  - 2. Finish: Two coats – ICI Dulux Ultra 1407 Semi-gloss Interior Acrylic Wall & Trim Enamel.
- I. Stained Concrete Floor Finish
  - 1. Sealer: L.M. Scofield, Cementone Clear Sealer.

**3.12 Painting Schedule – Apply the following finishes as designated or required.**

**Fire Station No. 15 & No. 17 – Site Paint and Coatings**

- A. Metal Gates, Miscellaneous Metals, Metal Accessories
  - 1. Color: To match adjacent wall / ceiling surface
  - 2. Finish: Medium Gloss

**Fire Station No. 15 – Exterior Paint, Flashing, and Coating**

- A. Exterior Masonry Wall Sealer
  - 1. Finish: Clear
- B. Exterior Miscellaneous Metals, Metal Accessories, and Vents
  - 1. Color: To be determined
  - 2. Finish: Medium Gloss
- C. Metal Louvers
  - 1. Color: To be determined
  - 2. Finish: Medium Gloss

- D. Exterior Gutters, Downspouts, Coping and Roof Accessories
  - 1. Color: To be determined
  - 2. Finish: Medium Gloss
- E. Exterior Metal Doors and Frames
  - 1. Frame Color: To be determined
  - 2. Door Color: To be determined
  - 3. Finish: Semi-gloss
- F. Overhead Door (exterior surface)
  - 1. Door Color: To be determined
  - 2. Finish: Satin

**Fire Station No. 17 – Exterior Paint, Flashing, and Coating**

- A. Exterior Masonry Wall Sealer
  - 1. Finish: Clear
- B. Exterior Miscellaneous Metals, Metal Accessories, and Vents
  - 1. Color: To be determined
  - 2. Finish: Medium Gloss
- C. Metal Louvers
  - 1. Color: To be determined
  - 2. Finish: Medium Gloss
- D. Exterior Gutters, Downspouts, Coping and Roof Accessories
  - 1. Color: To be determined
  - 2. Finish: Medium Gloss
- E. Exterior Metal Doors and Frames
  - 1. Frame Color: To be determined
  - 2. Door Color: To be determined
  - 3. Finish: Semi-gloss
- F. Overhead Door (exterior surface)
  - 1. Door Color: To be determined
  - 2. Finish: Satin

**Fire Station No. 15 & No. 17 – Interior Paints and Coatings**

- A. Interior Miscellaneous Metals, Metal Accessories
  - 1. Color: To match adjacent wall / ceiling surface
  - 2. Finish: Medium Gloss
- B. Interior Metal Doors, Metal Door Frames and Wood Trim
  - 1. Typical except as noted below
    - a. Frame Color: To be determined
    - b. Door Color: To be determined
    - c. Finish: Semi-gloss

2. Supply (115), Apparatus (131), Turnout (132), Compressor (133), Janitor (134), Electrical (135) and Hose Storage (136)
    - a. Frame Color: #1042 Grey Lady
    - b. Door Color: #1042 Grey Lady
    - c. Finish: Semi-Gloss
- C. Interior Gypsum Board and Masonry Walls
1. Typical except as noted below
    - a. Color: To be determined
    - b. Finish: Satin
  2. Women (103), Men (105), Bath (126, 127, 128)
    - a. Color: To be determined
    - b. Finish: Semi-Gloss
  3. Supply (115), Apparatus (131), Turnout (132), Compressor (133), Janitor (134), Electrical (135) and Hose Storage (136)
    - a. Color: #1168 Shaded Ice
    - b. Finish: Semi-Gloss
- D. Interior Gypsum Board Ceilings
1. Typical except as noted below
    - a. Color: To be determined
    - b. Finish: Eggshell
  2. Women (103), Men (105), Bath (126, 127, 128)
    - a. Color: To be determined
    - b. Finish: Semi-Gloss
  3. Supply (115), Apparatus (131), Turnout (132), Compressor (133), Janitor (134), Electrical (135) and Hose Storage (136)
    - a. Color: #1377 Grey Ghost
    - b. Finish: Semi-Gloss

**END OF SECTION**

## **1.05 Product Handling**

### **A. Protection**

1. Louvers and vents to be stored at the job site in a safe, dry place with all labels intact and legible at time of installation.
2. Use all means to protect vents before, during, and after installation. Do not allow products to become wet or damp.

### **B. Replacements – In the event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.**

## **1.06 Warranty – Under provisions of Section 01700.**

## **PART 2 – PRODUCTS**

### **2.01 Manufacturers**

#### **A. Lomanco, Inc.**

**P.O. Box 519**

**Jacksonville, AR 72076**

**1-800-643-5596**

**www.lomanco.com**

#### **B. Stockton Products**

**4675 Vandenberg Drive**

**North Las Vegas, NV 89031**

**1-877-862-5866**

**www.stocktonproducts.com**

#### **C. Substitutions will be considered in accordance with Page 2.7-SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.**

### **2.02 Products**

#### **A. Continuous Soffit vents**

##### **1. Stockton Products - Model VHC - Galvanized Metal**

- a. 4" Wide x 7/8" Deep Vented Hat Channel – Bend one leg 90 degrees straight for attachment to wood fascia.**
- b. 1/8" Vent Holes**
- c. Prime and paint as required**

#### **B. Roof Louvers**

##### **1. Lomanco – Model 770, Aluminum**

- a. Unit size – 16-5/8" x 22-3/8" x 6"**
- b. Opening – 9-1/2" diameter**
- c. Net free ventable area – 70 sq.in.**
- d. Weathered Bronze factory finish**

##### **2. Lomanco – Model 770-D, Aluminum**

- a. Unit size – 32-1/2" x 22-3/8" x 6"**
- b. Opening – (2) 9-1/2" diameter**
- c. Net free ventable area – 140 sq.in.**
- d. Weathered Bronze factory finish**

### **2.03 Accessories – Mounting and trim accessories as recommended by the manufacturer for this application to provide a weathertight seal.**

## **SECTION 10500**

### **METAL LOCKERS**

#### **PART 1 – GENERAL**

##### **1.01 Work Included – Work includes, but is not necessarily limited to:**

- A. Turn-out gear lockers.
- B. All attachments and accessories necessary to provide a complete installation

##### **1.02 Related Work Described Elsewhere**

- A. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.
- B. Section 03300 Cast-in-Place Concrete
- C. Section 06100 Rough Carpentry
- D. Section 06200 Finish Carpentry
- E. Section 09250 Gypsum Board
- F. Section 09900 Paints & Coatings

##### **1.03 Quality Assurance**

- A. Manufacturer – As approved by Architect.

##### **1.04 Submittals**

- A. Product Data: Submit material specifications and manufacturer's installation under provisions of Section 01300-SUBMITTALS.
- B. Shop Drawings: Under provisions of Section 01300-SUBMITTALS. Drawings to include assembly and installation details.
- C. Samples under provisions of Section 01300-SUBMITTALS to include finish and color of lockers.

##### **1.05 Product Handling**

- A. Protection
  - 1. Lockers to be stored at the job site in a safe dry place with all labels intact and legible at time of installation.
  - 2. Use all means to protect lockers before, during, and after installation.
- B. Replacements – In the event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

##### **1.06 Warranty – Under provisions of Section 01700-CONTRACT CLOSEOUT.**



## **PART 2 - PRODUCTS**

### **2.01 Acceptable Manufacturers**

- A. Gear Grid a division of Mid Minnesota Wire & Mfg., Inc.  
670 S.W. 15<sup>th</sup> Street  
Forest Lake, MN 55025  
(888) 643-6694  
[www.geargrid.com](http://www.geargrid.com)
- B. Substitutions will be considered in accordance with Page 2.7-SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

### **2.02 Products**

- A. Turn-out Gear Lockers
  - 1. Gear Grid open steel wire locker.
  - 2. Standard 20"W x 20"D x 72"H wall mounted units as indicated on the construction drawings.
  - 3. Two shelves (constructed of high-strength 1/4" wire) and three apparel hooks per locker.
  - 4. Heavy-Duty 1 1/4" frame tubing
  - 5. High strength 1/4" side and back grids wire.
  - 6. 16"W x 2"H engrave laminated nameplate.
  - 7. Powder coat finish, color Red.
  - 8. All necessary attachments and accessories for a complete installation.

### **2.03 Accessories**

- A. As required by manufacturer for a complete installation.
- B. Wall attachment hardware as required per Title 24.

## **PART 3 - EXECUTION**

### **3.01 Surface Conditions**

- A. Coordination: Coordinate with all other trades as required to ensure proper and adequate provisions in framing and wall finish for the installation of the selected cabinets, shelves and lockers in the locations required.
- B. Inspection:
  - 1. Prior to installation, inspect location of all lockers, shelves and cabinets and verify that all necessary provisions have been made.
  - 2. In the event of discrepancy, immediately notify the Architect.
  - 3. Do not proceed with installation in areas of discrepancy until all such discrepancies have been fully resolved.

### **3.02 Installation** - Install all lockers, shelves and cabinets where indicated on the drawings and in full accordance with the manufacturer's recommendations and Title 24.

- A. Install and adjust all lockers to be level and plumb.

### **END OF SECTION**

**SECTION 10670**  
**STORAGE SHELVING**

**PART 1      GENERAL**

**1.01    Summary**

- A.    Provide metal storage shelving where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.
- B.    Related work
  - 1.    Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.

**1.02    Submittals:**

- A.    Comply with pertinent provisions of Section 01300.
- B.    Product data: Within 60 calendar days after the Contractor has received the Owner's Notice to Proceed, submit:
  - 1.    Materials list of items proposed to be provided under this Section;
  - 2.    Manufacturer's specifications and other data needed to prove compliance with the specified requirements;
  - 3.    Dimensional drawings as needed to depict the space required for these items, and their interface with other work of other trades;
  - 4.    Manufacturer's recommended installation procedures which, when approved by the Architect, will become the basis for accepting or rejecting actual installation procedures used on the work.

**1.03    Quality Assurance**

- A.    Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

**1.04    Delivery, Storage, and Handling**

- A.    Comply with pertinent provisions of Section 01600.

**PART 2 - PRODUCTS**

**2.01    Metal Storage Shelving**

**A.    Manufacturers:**

- 1.    Lyon Metal Products  
800-323-0082

- 2.    Substitutions will be considered in accordance with Page 2.7-  
SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

**B. Products:**

- 1. Provide free standing and fixed stainless steel open wire shelving manufactured by Lyon as shown on the drawings.**

**2.02 SCBA Bottle Storage**

**A Manufacturer:**

- 1. Gear Grid a division of Mid Minnesota Wire & Mfg., Inc.  
670 S.W. 15<sup>th</sup> Street  
Forest Lake, MN 55025  
(888) 643-6694  
[www.geargrid.com](http://www.geargrid.com)**
- 2. Substitutions will be considered in accordance with Page 2.7-  
SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.**

**B. Products**

- 1. Custom SCBA bottle storage as manufactured by Gear Grid.**

**PART 3 – EXECUTION**

**3.1 Surface Conditions**

- A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

**3.2 Installation**

- A. Install shelving where indicated on the drawings and in full accordance with the manufacturer's recommendations.
- B. Install and adjust all shelves to be level and plumb.

**END OF SECTION**

- B. Replacements – In the event of damage, immediately make all replacements necessary to the approval of the Architect and at no additional cost to the Owner.

## **PART 2 – PRODUCTS**

- 2.01 **Fastenings** – All toilet and bath accessories shall be complete with all required fastenings, and all fastenings shall harmonize with the item being fastened. All accessories requiring attachment shall be screw-mounted, set in solid backing or reinforced unit concrete masonry, unless otherwise noted.

### **2.02 Accessories**

- A. General – All toilet and bath accessories are the products of Rohrick, as a standard of quality. Substitutions will be considered in accordance with Page 2.7- SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.
- B. Accessory Schedule:
1. Women (103), Men (105)
    - a. Grab Bars #B-6806-36 Satin Finish – 36" long  
#B-6806-48 Satin Finish – 48" long
    - b. Soap Dispenser #B-8226 Satin Finish
    - c. Paper Towel Disp./ Waste Receptacle #B-3944 Satin Finish
    - d. Mirror #B-290 – 2436
    - e. Seat Cover Dispenser #B-221 Satin Finish
    - f. Toilet Tissue Dispenser #B-8226 Satin Finish
    - g. Sanitary Napkin #B-270 Satin Finish (103-Women Only)  
Disposal
    - h. Toilet Paper Holder #B-6667 Satin Finish
    - i. Hat and Coat Hook #B-6827 Satin Finish (2 per room)
  2. Bath (126, 127, 128)
    - a. Soap Dispenser #B-8226 Satin Finish
    - b. Paper Towel Disp./ Waste Receptacle #B-3944 Satin Finish
    - c. Mirror #B-290 – 4836
    - e. Seat Cover Dispenser #B-221 Satin Finish
    - f. Toilet Tissue Dispenser #B-8226 Satin Finish
    - g. Sanitary Napkin #B-270 Satin Finish (1 per room)  
Disposal
    - h. Toilet Paper Holder #B-6667 Satin Finish
    - i. Robe Hook #B-76717 Satin Finish (2 per room)
    - j. Towel Bar #B-530-24 Satin Finish – 24" long
    - k. Soap Dish #B-974 Satin Finish
  3. Janitor (114, 134)
    - a. Mop and Broom Holder #B-239-44 Satin Finish – 44" long

## SECTION 11110

### COMMERCIAL LAUNDRY EQUIPMENT

#### PART 1 GENERAL

**1.01 Work Included** – Work includes, but is not necessarily limited to:

- A. Commercial grade washer/extractor

**1.02 Related Work Described Elsewhere**

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 03300 Cast-in Place Concrete
- C. Section 06100 Rough Carpentry
- D. Section 09250 Gypsum Board
- E. Division 15 Plumbing & Mechanical
- F. Division 16 Electrical

**1.03 Quality Assurance** – Manufacturer: As listed in Part 2 or approved by Architect.

**1.04 Submittals** – Product Data: Submit material specifications, manufacturer's installation, and maintenance instructions under provisions of Section 01330.

**1.05 Delivery, Storage & Handling**

- A. Protection
  - 1. Laundry equipment to be stored at the job site in a safe dry place with all labels intact and legible at time of installation.
  - 2. Use all means to protect equipment before, during, and after installation and to protect the installed work and materials of other trades. Do not allow products to become wet or damp.
- B. Replacements – In the event of damage, including water intrusion, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the City.

**1.06 Operation and Maintenance Manuals** – Provide operation and maintenance manuals under provisions of Section 01700 for all equipment.

#### PART 2 PRODUCTS

**2.01 Manufacturers** – Specific equipment by chosen manufacturers has been listed to qualify the equipment quality and options. Substitution will be considered in accordance with Page 2.7-SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

## **PART 2 – PRODUCTS**

### **2.01 Television Mounting Brackets at Dorm Rooms (119, 120, 121, 122, 123, 124) and Exercise (125)**

#### **A. Manufacturers:**

- 1. Peerless Industries**  
**1.800.865.2112**  
**www.peerlessindustries.com**
- 2. Substitutions will be considered in accordance with Page 2.7-**  
**SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.**

#### **B. Products:**

- 1. TV Wall Mount Bracket: WB-27T**
- 2. VCR/DVD Bracket: VPM-40-S**

#### **C. Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor, subject to the Engineer.**

### **2.01 Projection Screen at Conference (101)**

#### **A. Manufacturers:**

- 1. Claridge Products and Equipment, Inc.**  
**14736 Wicks Boulevard**  
**San Leandro, CA 94577**  
**510.351.8183**  
**www.claridgeproducts.com**
- 2. Substitutions will be considered in accordance with Page 2.7-**  
**SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.**

#### **B. Products:**

- 1. Projection Screen: Endura # EN5270, Spring roller screen- 50" X 70".**

#### **C. Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor, subject to the Engineer.**

## **PART 3 – EXECUTION**

### **3.01 Surface Conditions**

- A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.**

## **PART 2 - PRODUCTS**

**2.01 Manufacturers** – Specific equipment by chosen manufacturers has been listed to qualify the equipment quality and options. Substitution will be considered in accordance with Page 2.7- SUBSTITUTIONS OF MATERIALS in Volume 1 of these Specifications.

### **2.02 Range / Oven**

- A. Viking Model No. VGRC485-4G-SS; stainless steel 48" wide, Four (4) burners, 24" wide griddle/simmer plate and double oven. Manufactured by Viking Range Corp. (662) 455-1200. Provide also stainless steel high shelf Model No. R48HS24-SS and curb base Model No. R48CBF4-SS..
- B. Coordinate with Specification Section 15400 for auto gas shut-off switch.

### **2.03 Range/ Oven exhaust Hood**

- A. Viking Model No. VWH4878-SS, 48" wide x 18" high x 27" deep stainless steel exhaust hood with Model No.VTV1200 interior ventilator. Mechanical sub-contractor to provide 10" round duct to exhaust hood and connect for a complete installation. See Mechanical Drawings.

### **2.04 Refrigerator with ice maker**

- A. To be Determined.

### **2.05 Dishwasher**

- A. Bosch – Model No.SHU4302 UC, color: Black.

### **2.06 Microwave Oven**

- A. G.E. –Model #JE1590WC, Countertop Convection/Microwave Oven, color: Black.
- B. Trim kit – 27" Deluxe

## **PART 3 - EXECUTION**

### **3.01 Installation**

- A. Install items in accordance with manufacturer's instructions.
- B. Adjust work under provisions of Section 01700

### **3.02 Cleaning** – Clean work under provisions of Section 01700

**END OF SECTION**

**SECTION 16140  
WIRING DEVICES**

- A. General: Devices shall be of the type specified herein. All devices shall be installed with "pigtailed" leads from the outlet box. No device shall be used in the "feed through" application. Screw terminals shall be used to connect all devices to the circuit and shall be grounded by means of a ground wire where grounding terminals are provided in the device.
- B. Installation: Devices and plates shall be installed in a "plumb" condition and must be flush with the finish surface of the wall where boxes are recessed.
- C. Switches shall be 20 amp, 120/277 VAC rated, quiet, side wired, single-pole or 3-way as indicated on the drawings. Acceptable manufacturers are Leviton, Hubbell or equal.
- D. Convenience duplex receptacles shall be side wired, 20 amp NEMA 5-20R configuration. Acceptable manufacturers are Leviton, Hubbell or equal.
- E. Ground-fault circuit-interrupter type receptacles where shown on the drawings shall be duplex, NEMA 5-20R, 20amp, 125V AC Leviton 6899 or equal.
- F. Device plates shall be brushed aluminum, Sierra, Slater or equal for use against drywall. Surface mount boxes shall use industrial raised galvanized steel covers.
- G. Isolated ground receptacles shall be 20 amp rated Hubbell IG5362GY or equal unless otherwise noted. Receptacles designated by I.G. are isolated ground types.
- H. Colors: Devices and plates shall be Bisque (Submit Samples) unless otherwise noted below.
  - 1. Supply (115), Apparatus (131), Turnout (132), Compressor (133), Janitor (134), Electrical (135) and Hose Storage (136)
    - a. Devices: Black
    - b. Plates: Brushed Stainless Steel
  - 2. Isolated ground receptacles (device only) shall be gray.
- I. Mounting heights: All control and convenience devices shall comply with California Code of Regulations Title 24 and ADA with respect to Handicap requirements. Switches shall be mounted between 36 and 48 inches above finish floor and receptacles shall be mounted not lower than 16 inches above finish floor; mounting heights indicated on plans shall have precedence.

**END OF SECTION**

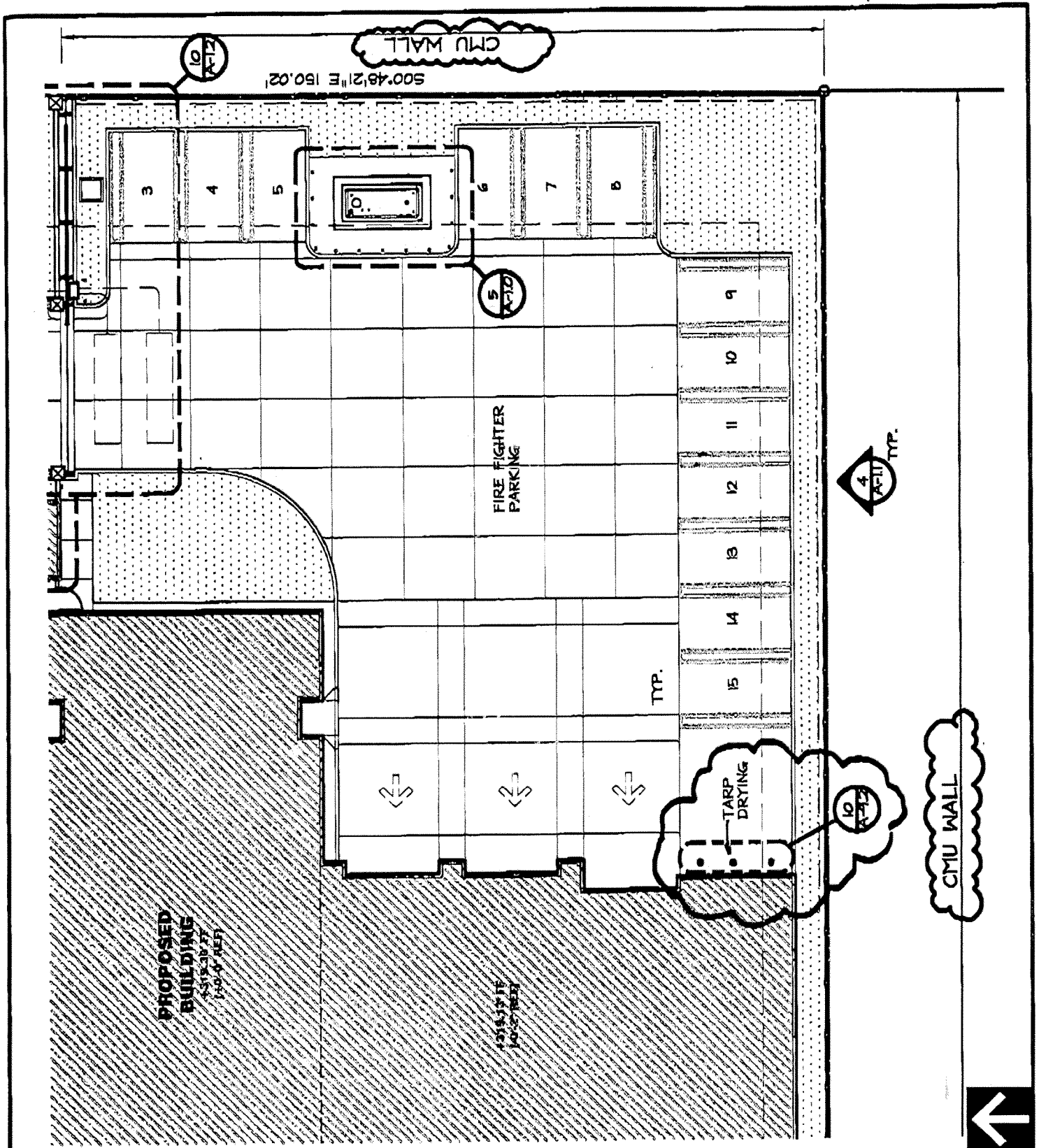


**SECTION 16721  
FIRE SPRINKLER MONITORING AND ALARM SYSTEMS**

**PART 1 - GENERAL**

- A. Provide a complete, power limited, fire sprinkler monitoring and alarm system to be connected, tested and left in first-class operating condition. All equipment herein specified shall be engineer-approved and California State Fire Marshal (CSFM) listed. The entire installation shall conform to the National Fire Protection Association (NFPA) Standard 72, 90A & CEC Article 760 and authorities having jurisdiction as applicable.
- B. Supervision: The fire alarm system shall monitor the integrity of all alarm initiating and indicating appliance circuits. System shall be provided with automatically charged standby batteries to maintain system operation for 24 HRS in the normal supervisory mode plus for 5 minutes of alarm at the conclusion of this supervisory time period. Batteries shall be supervised for connection to the system and low voltage threshold. The automatic battery charger shall be capable of charging fully discharged system batteries to 100% in 8 hours for systems with 24 hours of standby.
- C. The system wiring and installation shall be as required by the manufacturer. All wiring shall be color coded, tagged and checked to assure that it is free from shorts and grounds.
- D. Testing: The completed system shall be tested in accordance with NFPA Standard.
- E. Warranty: The equipment and wiring shall be warranted to be free from electrical and mechanical defects for a period of one (1) year commencing with final notice of completion.
- F. System Operation shall include:
  - 1. Separate zone indication for all initiating devices.
  - 2. Audible to sound the California uniform fire alarm signal in temporal mode. Devices shall be at least 15dBA above average ambient sound level, but not less than 75dBA at 10' or more than 120dBA.
  - 3. Visual devices shall not exceed 2 flashes per second and shall not be slower than 1 flash per second. Visual devices shall be synchronized when 3 or more devices are within the same field of view.
  - 4. Supervision of all circuits to indicate any abnormal wiring condition.
  - 5. 24VDC output power and relays as required for external device use.
  - 6. Central station connection capable of indicating (3) distinct separate signals being tamper, trouble and alarm.
- G. All work shall be completed as shown on the plans and or as specified within this specification
- H. Duct Detectors shall interface.
- I. All conductors to be installed in conduit or surface mounted raceway pursuant to Specification Section 16110 Raceways.
- J. Qualifications-Contractor shall receive written approval and test results to be submitted to the owner for system from manufactures recognized representative prior to completion and acceptance.

**END OF SECTION**



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Via Montgomery, Ambient CA 1100 • Jerry Melchior, ACE 20016, LS 4000 • Ted Fisher, Landscape Architect 2514

FRESNO FIRE STATION # 15

## PARTIAL SITE PLAN

ADDENDUM # 4

AD # 4.1

Sheet No. A-1.0/8-E 2079

By MRC

Checked BKS

Date 05.05.04

Job No. 2003510

Scale 1"=20'-0"



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**Note:**

The Fresno Fire Station 15 is a prototype station design based upon the Station 17 drawings. Station 15, however, is a mirror image of Station 17. The site plan, floor plan, dimension floor plan and building elevations contained in this set of documents indicate the actual layout of the building on the site. The balance of the drawings including reflected ceiling plan, roof plan, interior elevations and details may need to be mirror-imaged by the contractor in the field to properly correspond with the floor plan and site plan.



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Vice President: Architecture: Dale L. Papp • Jerry L. Givens, P.C. 5036, L.S. 6776 • (all) Partner: Landscape Architecture: Dale L. Papp

**FRESNO FIRE STATION # 15**

**DIMENSION FLOOR  
PLAN (Titlesheet)**

**ADDENDUM # 4  
AD 4.2**

Sheet No. A-2.1/ 8-B 2083

By MRC

Checked BKS

Date 05.07.04

Job No. 2003510

Scale NTS



## PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MIN. BRANCH SIZE (" )				MAKE AND MODEL	FITTINGS	REMARKS
		W	V	CW	HW			
L-1	ADA LAVATORY WALL MOUNT	2	1-1/2	1/2	1/2	KOHLER "KINGSTON" #2105 21" x 18" VITREOUS CHINA BISCUIT COLOR (96)	CHICAGO FAUCET #2100-4CP-4280SCP, STRAINER #227A, STOPS, SUPPLIES & C.P. BRASS "P" TRAP 1/2" R. SMITH WALL SUPPORT #0722	SEE ARCHITECTURAL DRAWING FOR ADA REQUIREMENTS. SEE DETAIL 17/P-2.0 FOR INSTALLATION
WC-1	ADA WATER CLOSET FLOOR MOUNTED ELONGATED, 16 GPF	3	2	1-1/4	-	KOHLER "HIGHEST" #K-4302, 27-5/8" x 14-1/2" VITREOUS CHINA BISCUIT COLOR (96)	SLANG ROYAL FLUSH VALVE 1/2" KOHLER SEAT LUSTRA K-4670-C, BISCUIT COLOR (96)	SEE ARCHITECTURAL DRAWING FOR ADA REQUIREMENTS. FLUSH VALVE ACTUATOR TO WIDE SIDE OF SPACE
WC-2	WATER CLOSET FLOOR MOUNTED ELONGATED, 1.6 GPF	3	2	1-1/4	-	KOHLER "WELLDOME" #K-4350, 27-5/8" x 14-1/2" VITREOUS CHINA BISCUIT COLOR (96)	SLANG ROYAL FLUSH VALVE 1/2" KOHLER SEAT LUSTRA K-4670-C, BISCUIT COLOR (96)	



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5630 EAST PARK CIRCLE DRIVE  
FRESNO, CALIFORNIA 93727-5412  
**ADDENDUM #4 AP # 4.4**

Sheet No. P-1.0

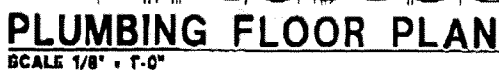
By Brent May

Checked Ralph Aguilar

Date 5-4-03

Job No. 2003510

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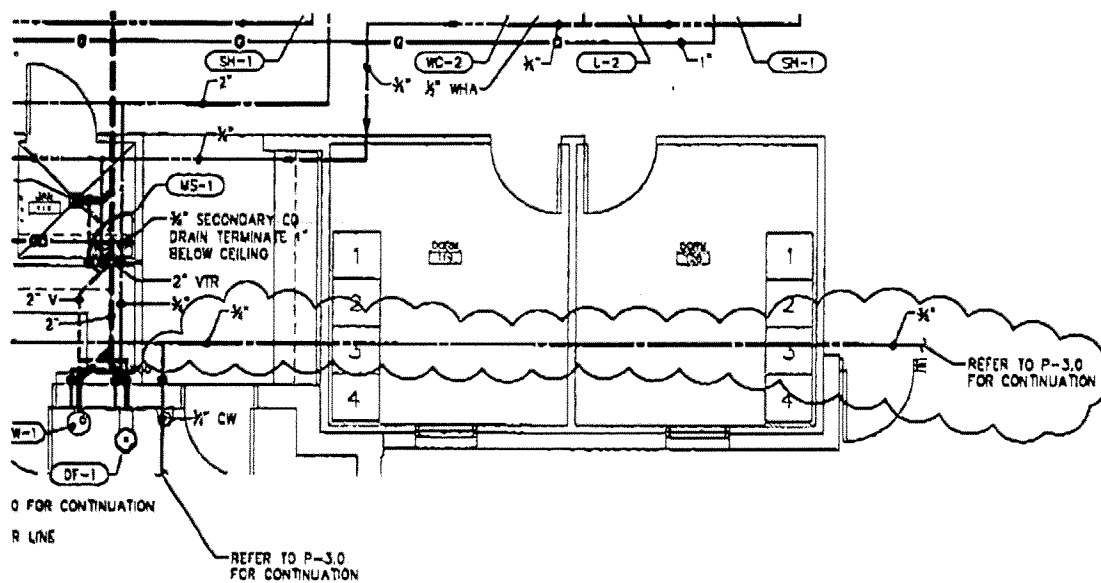


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By           Brent May            
Checked           Ralph Aguilar            
Date           5-4-03            
Job No.           2003510            
Scale           1/8" = 1'-0"



## PLUMBING FLOOR PLAN

**SCALE 1/8" = 1'-0"**



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5630 EAST PARK CIRCLE DRIVE  
FRESNO, CALIFORNIA 93727-5412

ADDENDUM #4 AD# 4.6

Sheet No.                      P-4.0

By Brent May

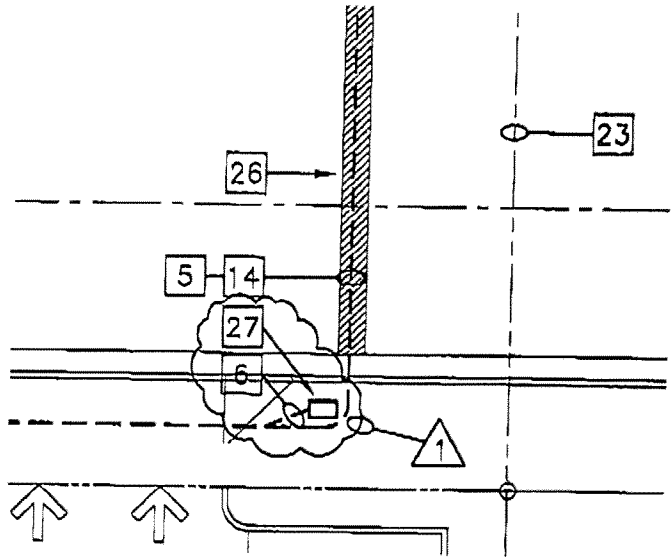
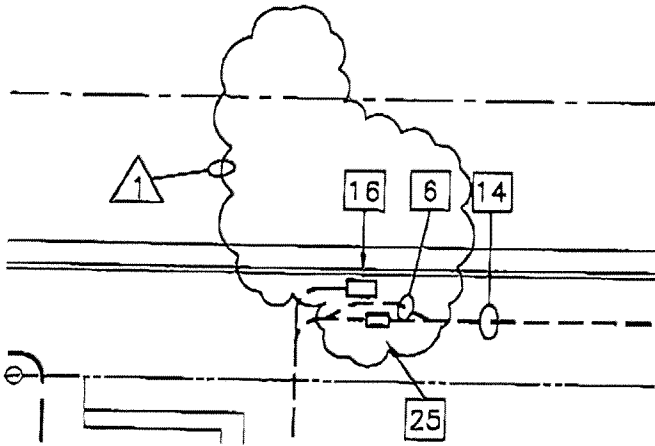
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Date 5-4-03

Job No. 2003510

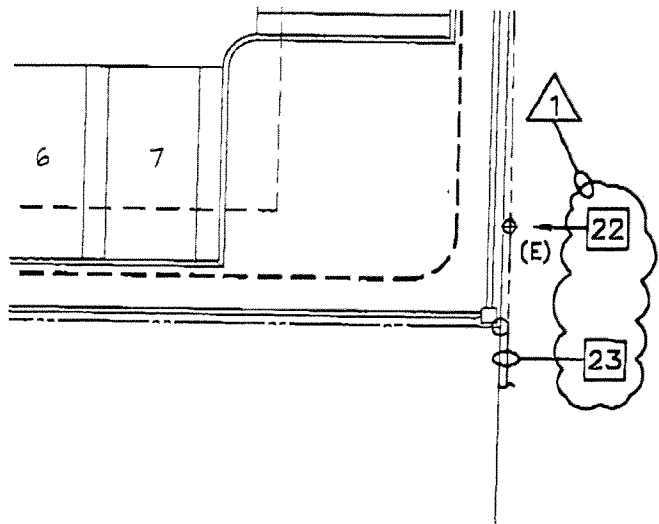
Scale 1/8" = 1'-0"

# Circle Drive



## REFERENCE NOTES

6. (2) 4" TELEPHONE SERVICE CONDUITS  
PER SBC REQUIREMENTS.
27. INSTALL (N)17"X30" PULL BOX PER SBC  
REQUIREMENTS.



# ELECTRICAL SITE PLAN

PARTIAL PLAN OF FULL SHEET E-2.0

SCALE: 1/16"=1'-0"

**thoma**  
**ENGINEERING**  
THOMA ELECTRIC, INC.

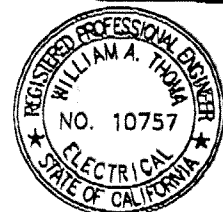
P.O. Box 1167 - 3562 Emileo St.  
San Luis Obispo, CA 93406  
Phone: (805) 543-3850  
Fax: (805) 543-3829  
thomaelec@thomaelec.com

PROJECT:  
FRESNO FIRE DEPT.  
FIRE STATION #15  
FRESNO, CA. 93727-5412

REVISIONS:  
1. ADDENDUM 4

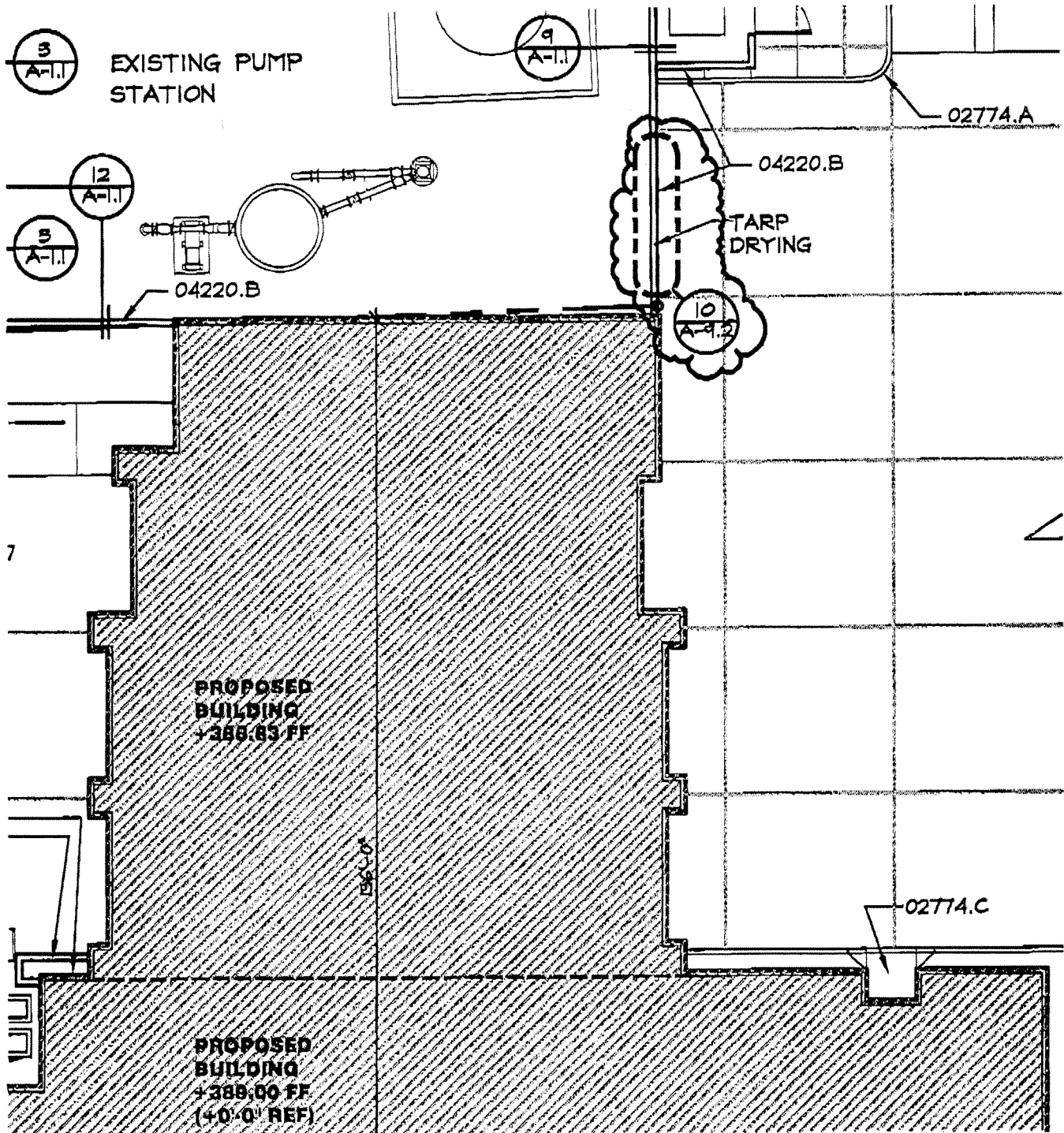
DATE:  
04-21-04

SHEET:  
**AD** 4.0



EXPIRES: 6/30/05  
THOMA #03-8193





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FRESNO FIRE STATION # 17

## PARTIAL SITE PLAN

ADDENDUM # 4

AD # 4.7

Sheet No. A-1.0/ B-E 2008

By MRC

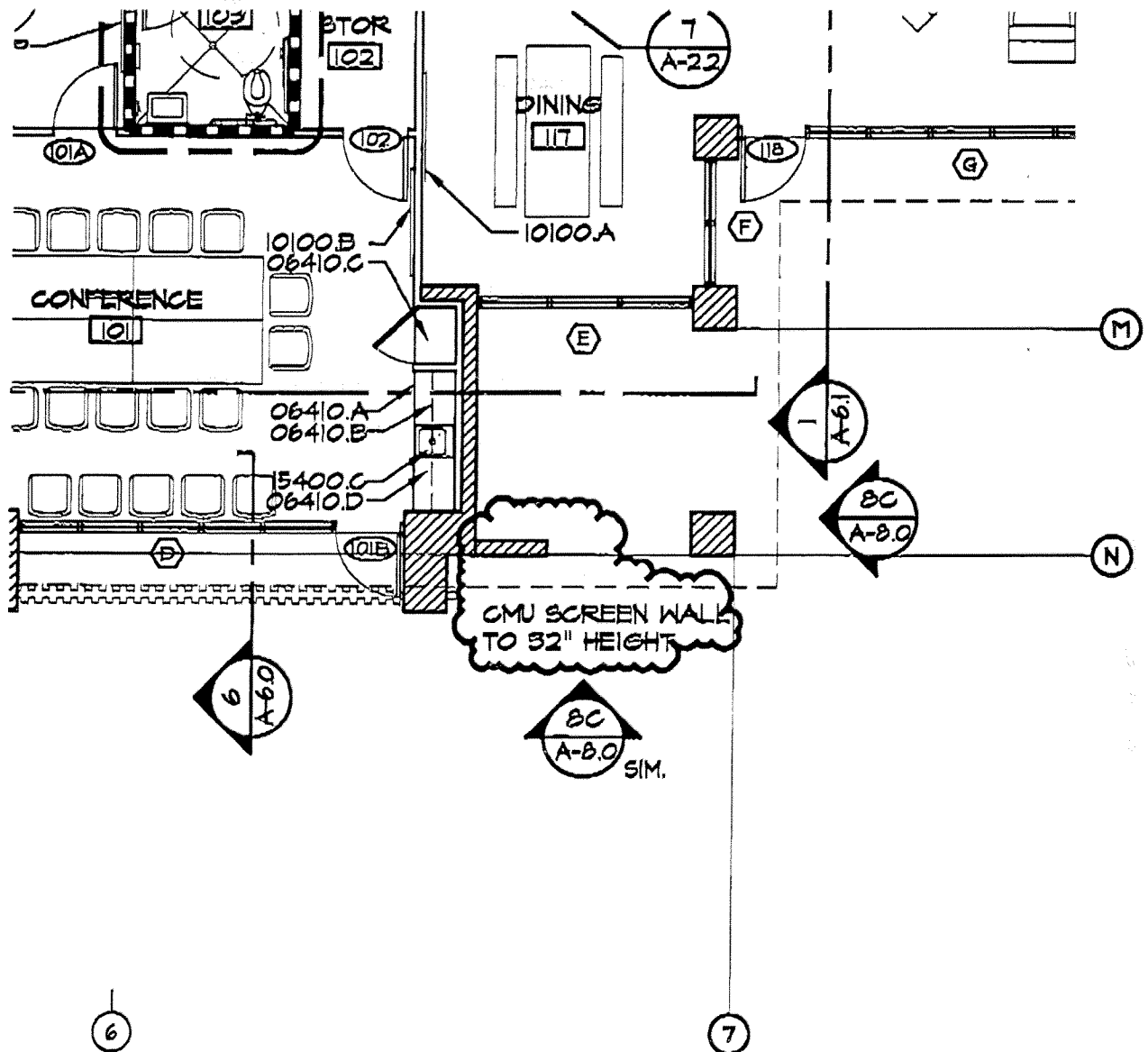
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Date 05.07.04

Job No. 2003510

Scale 1/16" = 1'-0"

P.03



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## FLOOR PLAN

ADDENDUM # 4  
AD 4.8

Sheet No. A-2.0/8-E 2011

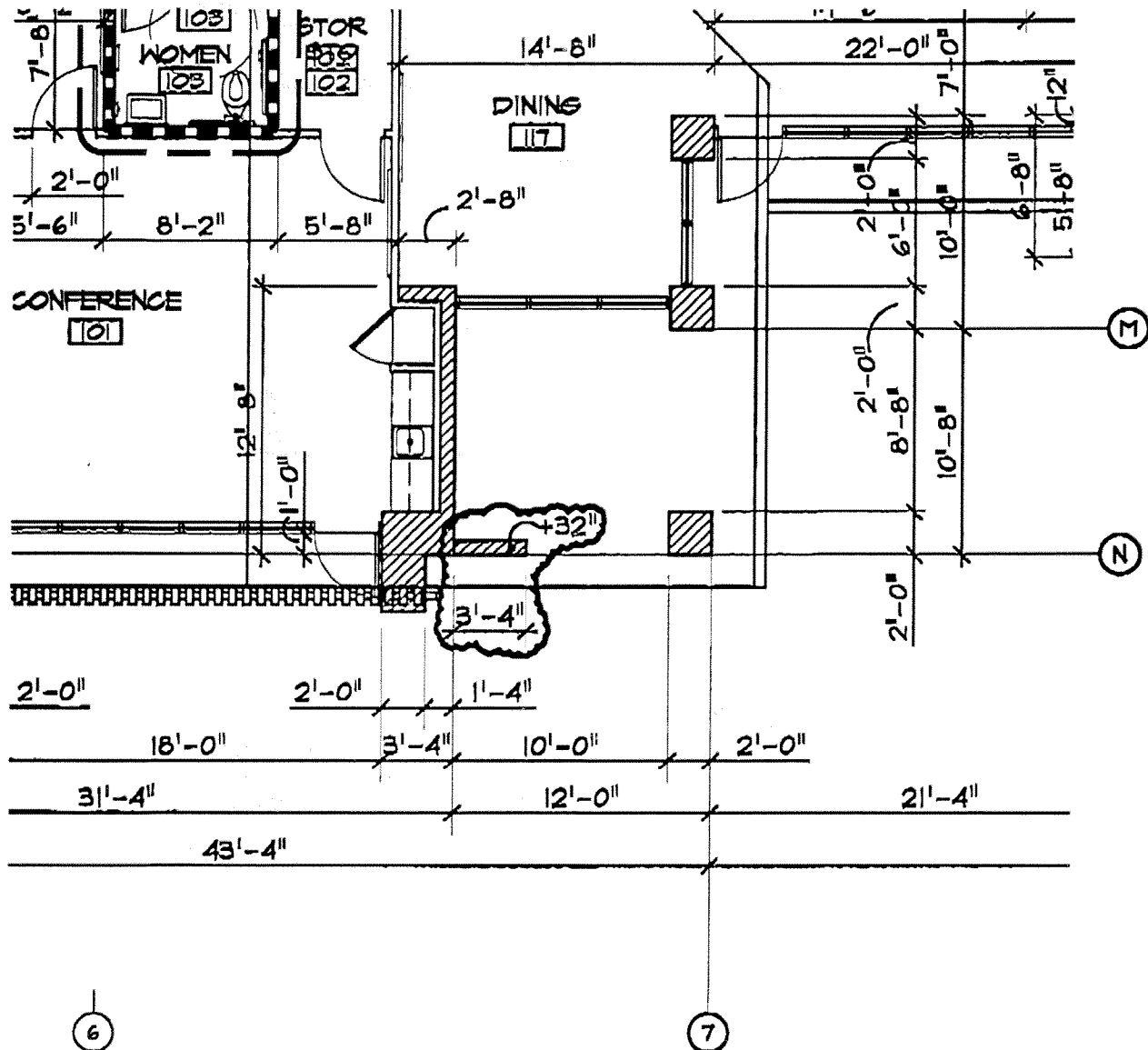
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Date 05.07.04

Job No. 2002503

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## DIMENSION FLOOR PLAN

ADDENDUM # 4  
 AD # 4.9

Sheet No. A-2.1/ 8-E 2012

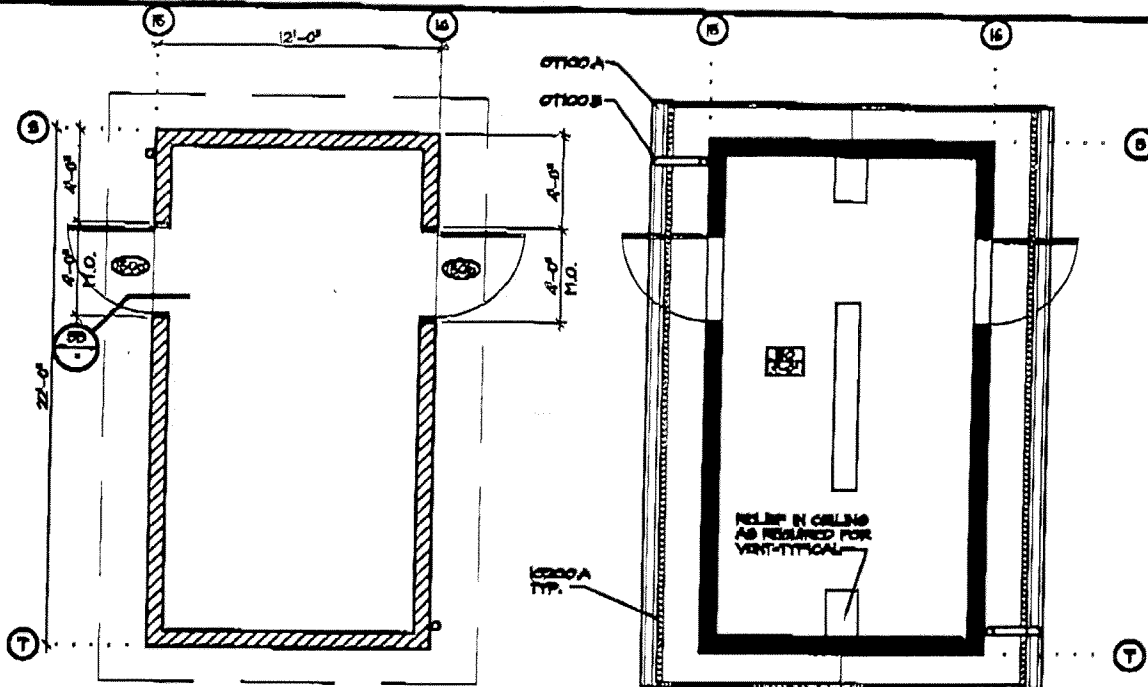
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Checked BKS

Date 05.07.04

Job No. 2002503

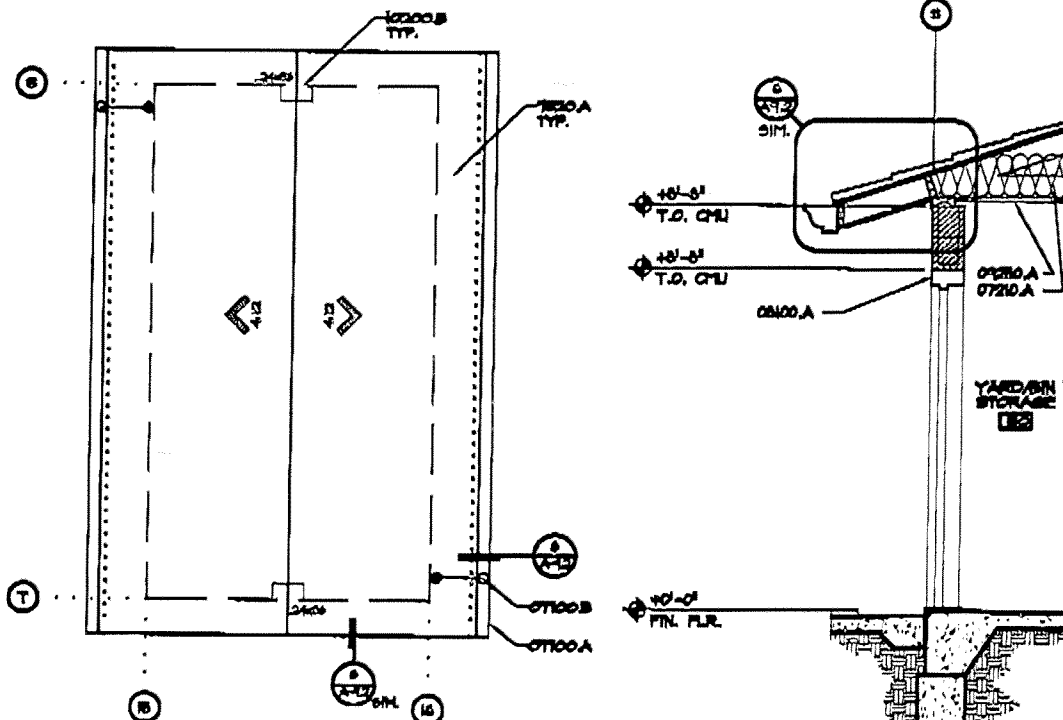
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**C. FLOOR PLAN**

SCALE: 1/8" = 1'-0"

**A. FLOOR PLAN**

SCALE: 1/8" = 1'-0"

**D. ROOF PLAN**

SCALE: 1/8" = 1'-0"

**B. SECTION**

SCALE: 1/4" = 1'-0"

**YARD/BIN STORAGE - SIM.**

SCALE: VARIES

**3**

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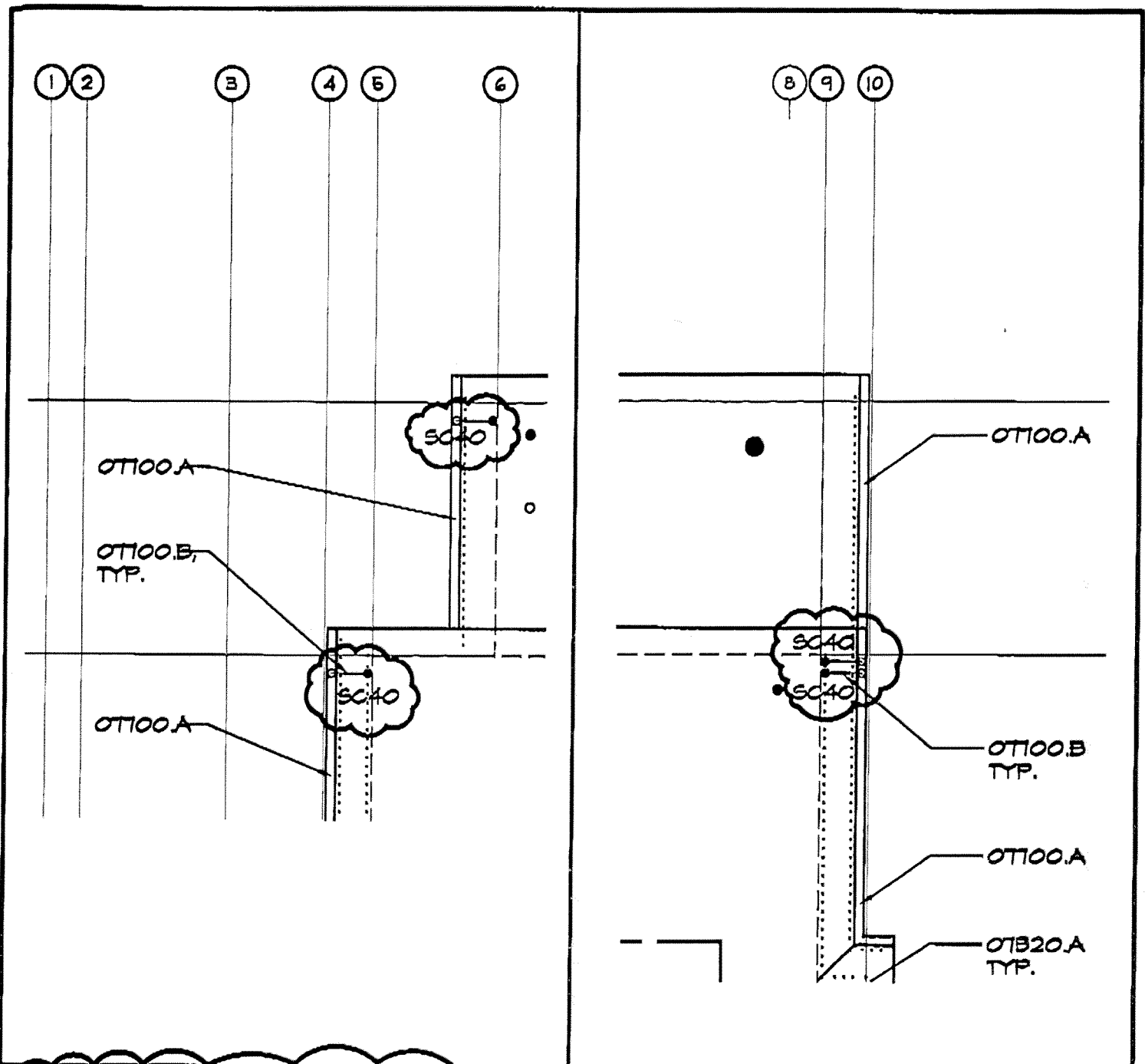
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FRESNO FIRE STATION # 17

**ENLARGED  
 FLOOR PLAN**

**ADDENDUM # 4  
 AD 4.10**

Sheet No. A-2.2/ 8-B 2013By MRCChecked BKSDate 05.05.04Job No. 2002503Scale 1/8" = 1'-0"



## ROOF LEGEND



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Vic. Montgomery, Appleton CA 91201 • Jerry Blackwell, 9220 3500, L3 877-7467 • Peter, Linderoth Architects 2144

FRESNO FIRE STATION # 17

## ROOF PLAN

ADDENDUM # 4

AD # 4.11

Sheet No. **A-4.0**

By **MRC**

Checked **BKS**

Date **05.07.04**

Job No. **2002503**

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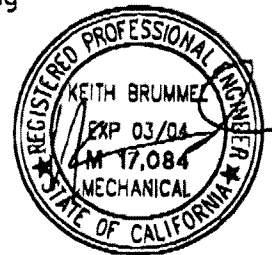
## PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MIN. BRANCH SIZE (")				MAKE AND MODEL	FITTINGS	REMARKS
		W	V	CW	HW			
L-1	ADA LAVATORY WALL MOUNT	2	1-1/2	1/2	1/2	KOHLER "KINGSTON" IN2005 21" x 18" VITREOUS CHINA- BISQUIT COLOR (96)	CHICAGO FAUCET #2200-4CP-4C280SCP STRAINER #277A, STOPS, SUPPLIES & C.P. BRASS "P" TRAP J.R. SMITH WALL SUPPORT #D722	SEE ARCHITECTURAL DRAWING FOR ADA REQUIREMENTS. SEE DETAIL 17/P-2.0 FOR INSTALLATION
WC-1	ADA WATER CLOSET FLOOR MOUNTED ELONGATED, 1.6 GPF	3	2	1-1/4	-	KOHLER "HIGGCREST" #K-4102 27-5/8" x 14-1/2" VITREOUS CHINA- BISQUIT COLOR (96)	FLORIDA ROYAL FLUSH VALVE-BMA KOHLER SEAT "LUSTRA" K-4670-C BISQUIT COLOR (96)	SEE ARCHITECTURAL DRAWING FOR ADA REQUIREMENTS. FLUSH VALVE ACTUATOR TO WIDE SIDE OF SPACE
WC-2	WATER CLOSET FLOOR MOUNTED ELONGATED, 1.6 GPF	3	2	1-1/4	-	KOHLER "WELLCOURT" #K-4350 27-5/8" x 14-1/2" VITREOUS CHINA- BISQUIT COLOR (96)	FLORIDA ROYAL FLUSH VALVE-BMA KOHLER SEAT "LUSTRA" X-4670-C BISQUIT COLOR (96)	



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FAX (805) 544-4335  
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**FRESNO FIRE DEPARTMENT**  
**FIRE STATION No. 17**

10512 NORTH MAPLE  
FRESNO, CALIFORNIA 93720

**ADDENDUM # 4 AD# 4.12**

Sheet No. P-1.0

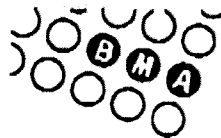
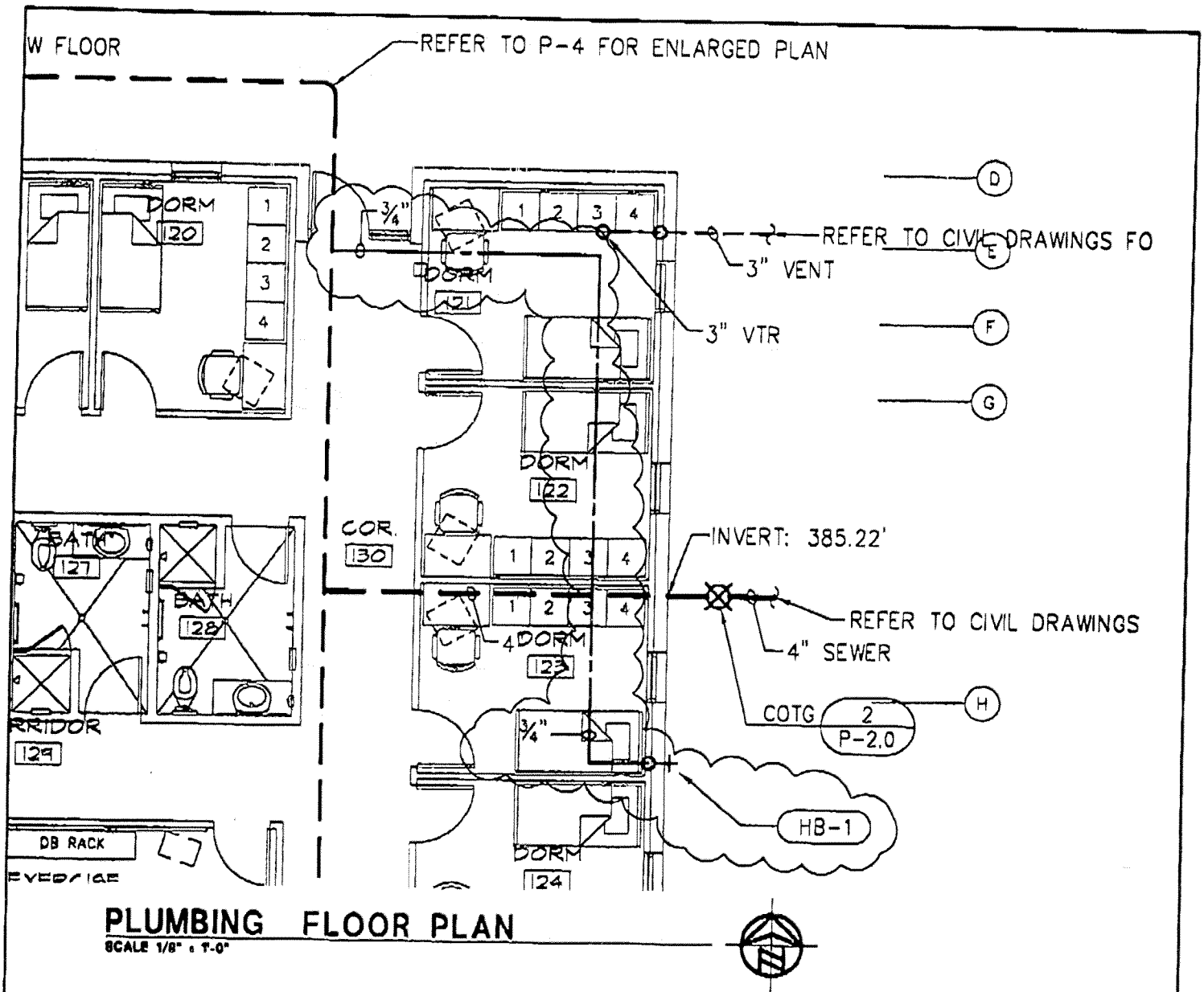
By Brent May

Checked Ralph Aguilar

Date 5-4-03

Job No. 2002503

Scale NO SCALE



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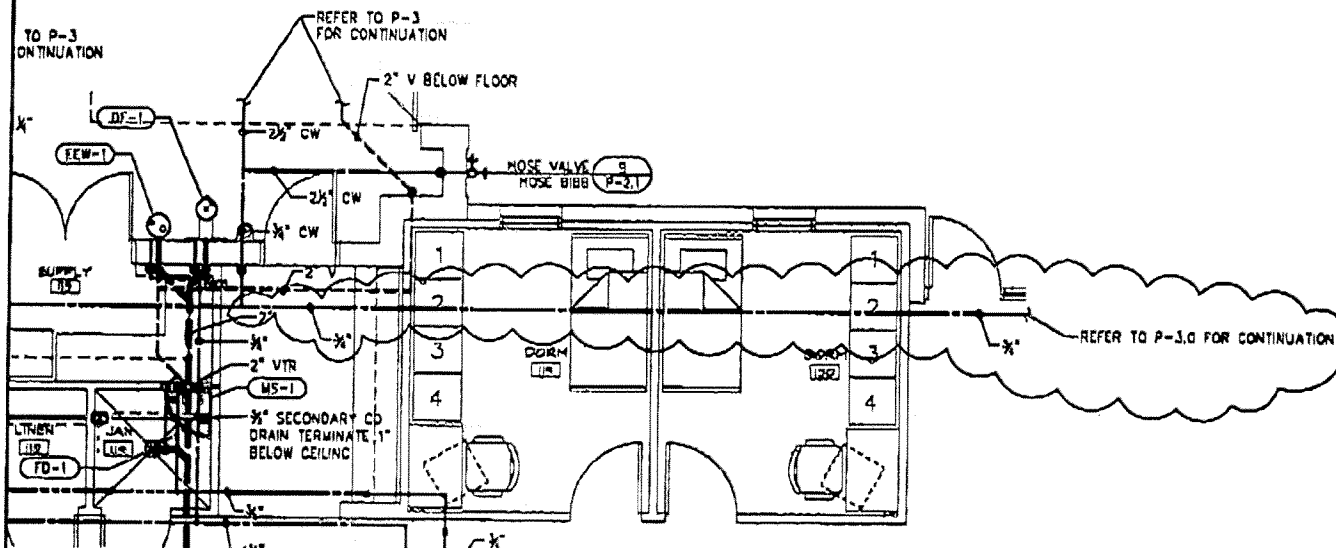
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FRESNO FIRE DEPARTMENT  
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APPENDUM #4 Ad #4.13

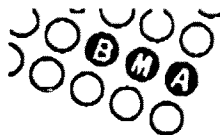
Sheet No. P-3.0  
 By Brent May  
 Checked Ralph Aguilar  
 Date 5-4-03  
 Job No. 2002503  
 Scale 1/8" = 1'-0"





## PLUMBING ENLARGED FLOOR PLAN

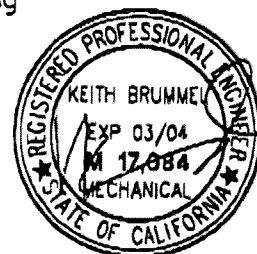
SCALE 1/8" = 1'-0"



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## FRESNO FIRE DEPARTMENT FIRE STATION No. 17

10512 NORTH MAPLE  
FRESNO, CALIFORNIA 93720

**ADDENDUM #4 AD# 4.14**

Sheet No. P-4.0

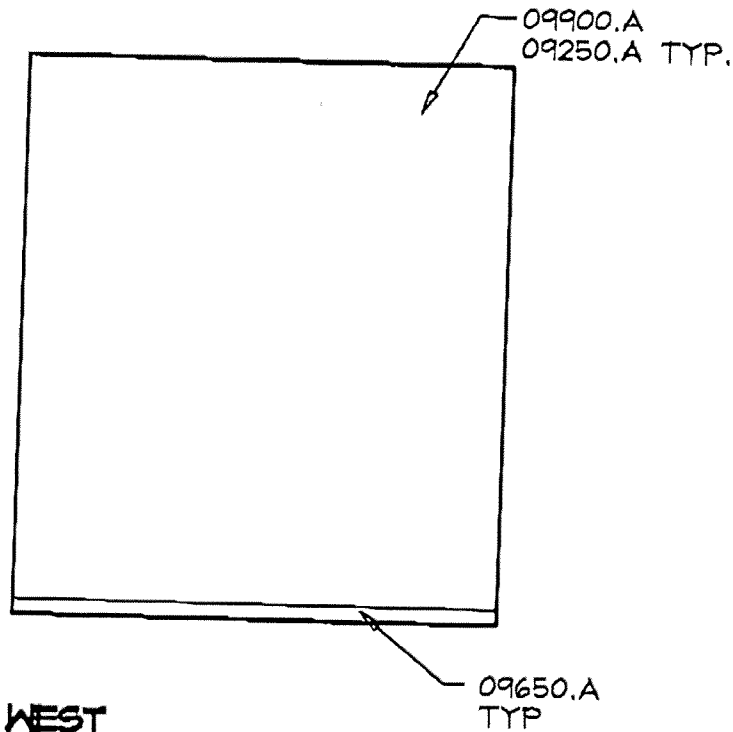
By Brent May

Checked Ralph Aguilar

Date 5-4-03

Job No. 2002503

Scale 1/8" = 1'-0"



## **COMMUNICATIONS - 110**



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Via e-mail: [info@rrmdesign.com](mailto:info@rrmdesign.com) • [terry@rrmdesign.com](mailto:terry@rrmdesign.com) • [dick@rrmdesign.com](mailto:dick@rrmdesign.com) • [jill@rrmdesign.com](mailto:jill@rrmdesign.com)

FRESNO FIRE STATION # 15 & 17

**INTERIOR  
ELEVATIONS**

**ADDENDUM # 4  
AD # 4.15**

Sheet No. A-7.1/ 8-E 2091

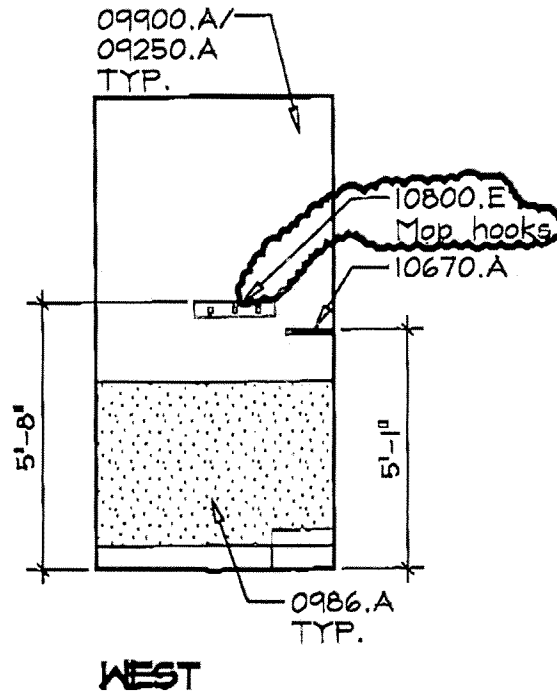
By MRC

Checked BKS

Date 05.07.04

Job No. 2003510

Scale 1/4" = 1'-0"



## JANITOR - 114

## DIVISION 10 - SPECIALTIES

10800 TOILET, BATH & LAUNDRY ACCESSORIES

- A. Not Used  
B. Not Used  
C. Not Used  
D. Not Used  
E. Hooks  
F. Not Used

## SPECIFICATION KEYNOTES

KEYNOTES ON THIS SHEET  
REFER TO THIS SHEET ONLY.



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FRESNO FIRE STATION # 15 & 17

# INTERIOR ELEVATIONS

## ADDENDUM # 4

AD #4.16

Sheet No. A-7.2/ 8-E 2092

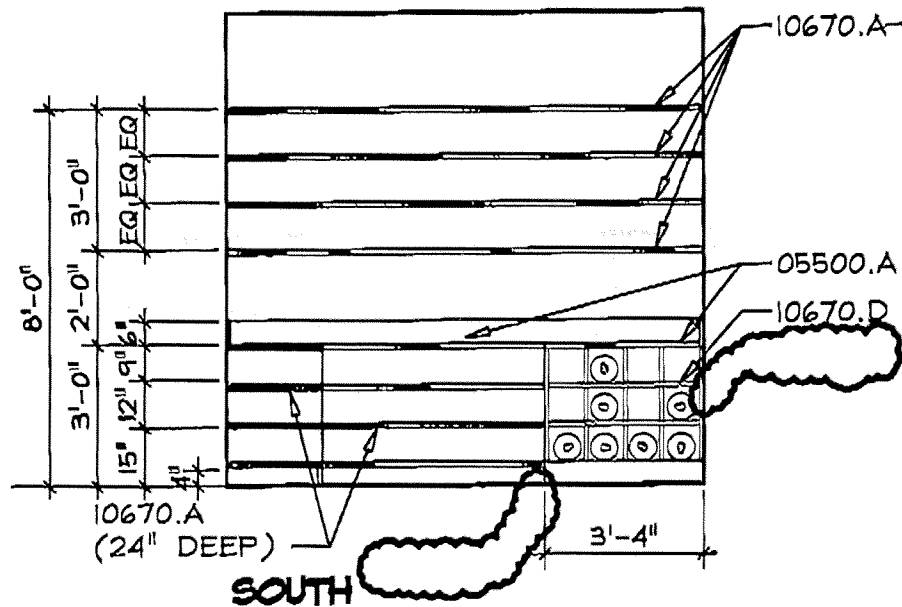
By \_\_\_\_\_ MRC

Checked BKS

*Date* 05.07.04

Job No. 2003510

Scale 1/4" = 1'-0"



## SUPPLY - 115

### DIVISION 10 - SPECIALTIES 10520 FIRE PROTECTION SPECIALTIES

A. Fire extinguishers

#### 10670 STORAGE SHELVING

- A. Stainless steel open shelving
- B. Not Used
- C. Wire fixed shelving
- D. Manufacturer SCBA Painted open wire shelving

## SPECIFICATION KEYNOTES

KEYNOTES ON THIS SHEET  
REFER TO THIS SHEET ONLY.



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Vic International, Architects CA 11990 • Jerry McQuinn, AIA 32033, LEED AP • Jeff Pothier, Landscape Architect 3444

FRESNO FIRE STATION # 15 & 17

## INTERIOR ELEVATIONS

ADDENDUM # 4

AD # 4.17

Sheet No. A-7.2/ 8-E 2092

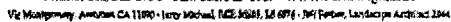
By MRC

Checked BKS

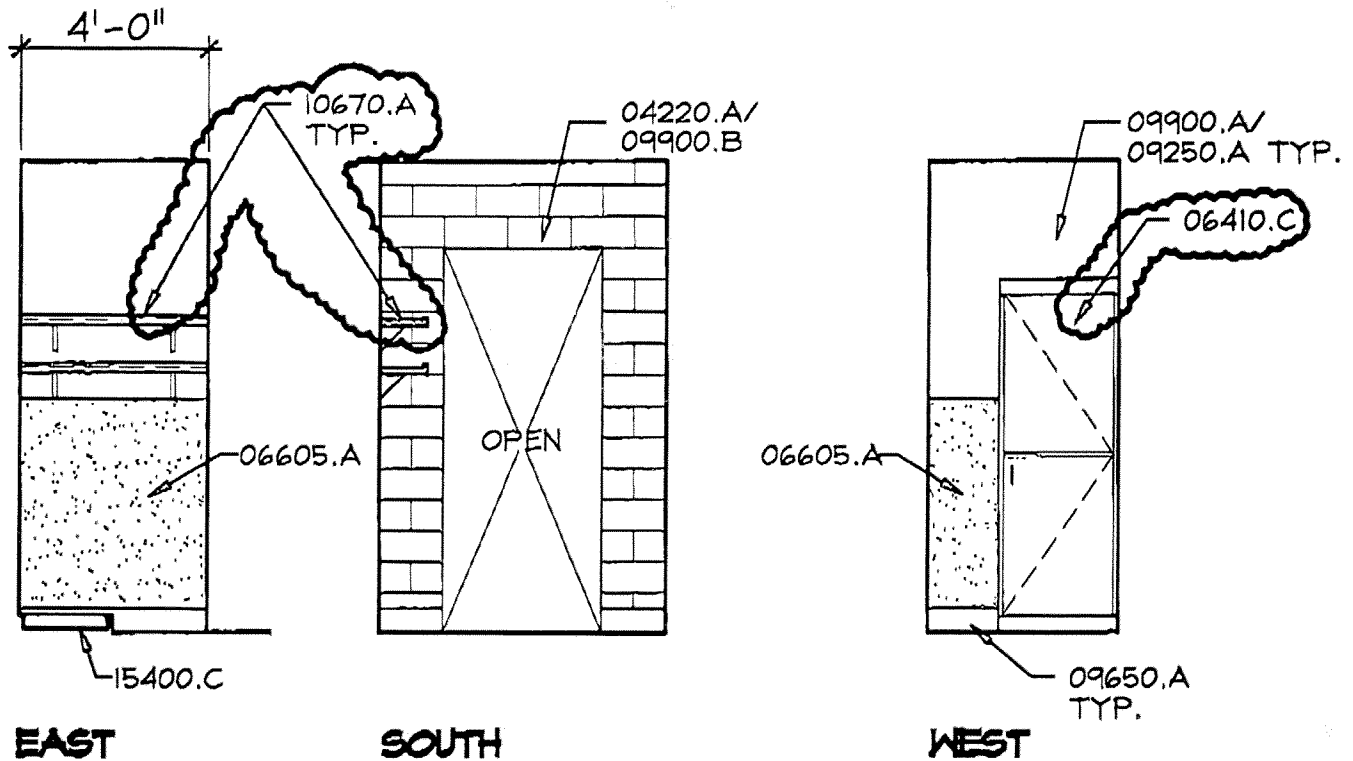
Date 05.07.04

Job No. 2003510

Scale 1/4" = 1'-0"



Scale 1/8" = 1'-0"



## JANITOR - 134

### DIVISION 6-WOOD AND PLASTICS

#### 06410 ARCHITECTURAL WOODWORK

- A. Not Used
- B. Not Used
- C. Full-height E.O.C. cabinet with plastic laminate exterior; Melamine interior
- D. Not Used
- E. Not Used
- F. Not Used

### DIVISION 10 - SPECIALTIES

#### 110670 STORAGE SHELVING

- A. Stainless steel open shelving
- B. Not Used
- C. Wire fixed shelving
- D. Manufacturer SCBA Painted open wire shelving

## SPECIFICATION KEYNOTES

KEYNOTES ON THIS SHEET  
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FRESNO FIRE STATION # 15 & 17

## INTERIOR ELEVATIONS

ADDENDUM # 4

AD # 4.19

Sheet No. A-7.5/ 8-E 2095

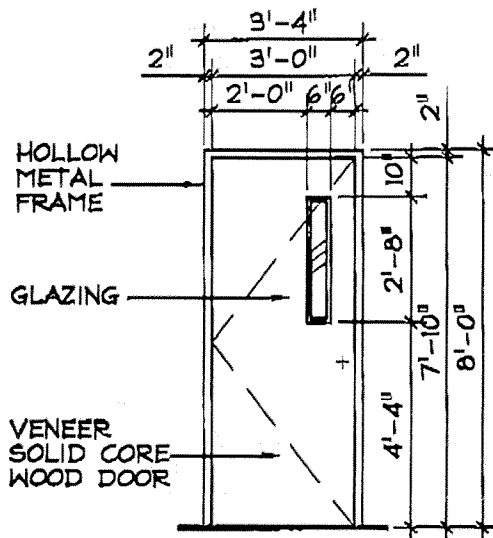
By MRC

Checked BKS

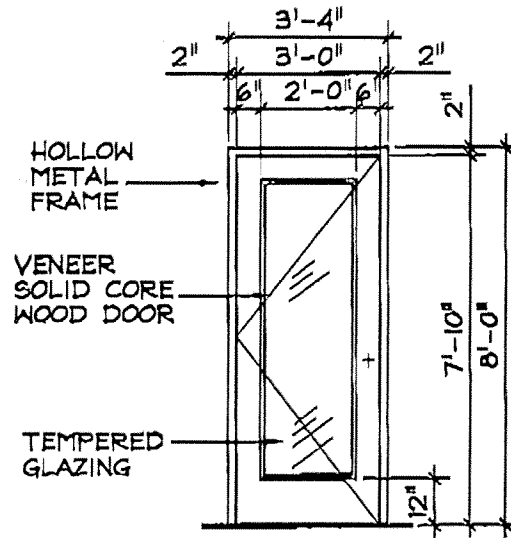
Date 05.07.04

Job No. 2003510

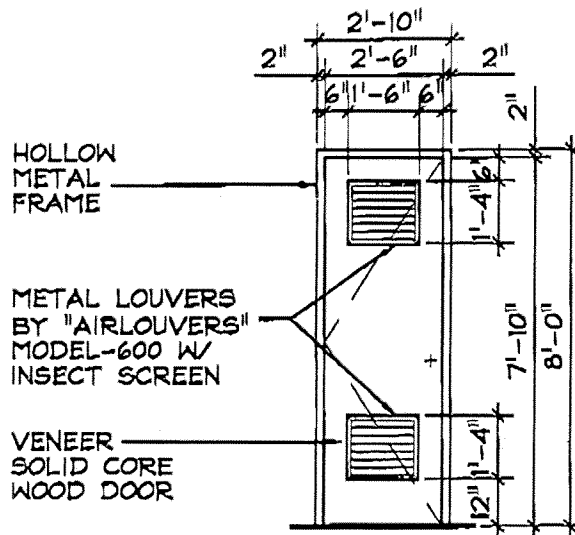
Scale 1/4" = 1'-0"



**C- FLUSH SC WOOD  
VENEER FACE  
NARROW LIGHT**



**D- FRENCH SC WOOD  
VENEER FACE**



**E- FLUSH SC WOOD  
VENEER FACE  
WITH LOUVERS**



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FRESNO FIRE STATION # 15 # 17

## DOOR & WINDOW SCHEDULES

ADDENDUM # 4

AD # 4.20

Sheet No. A-8.0/ 8-E 2096

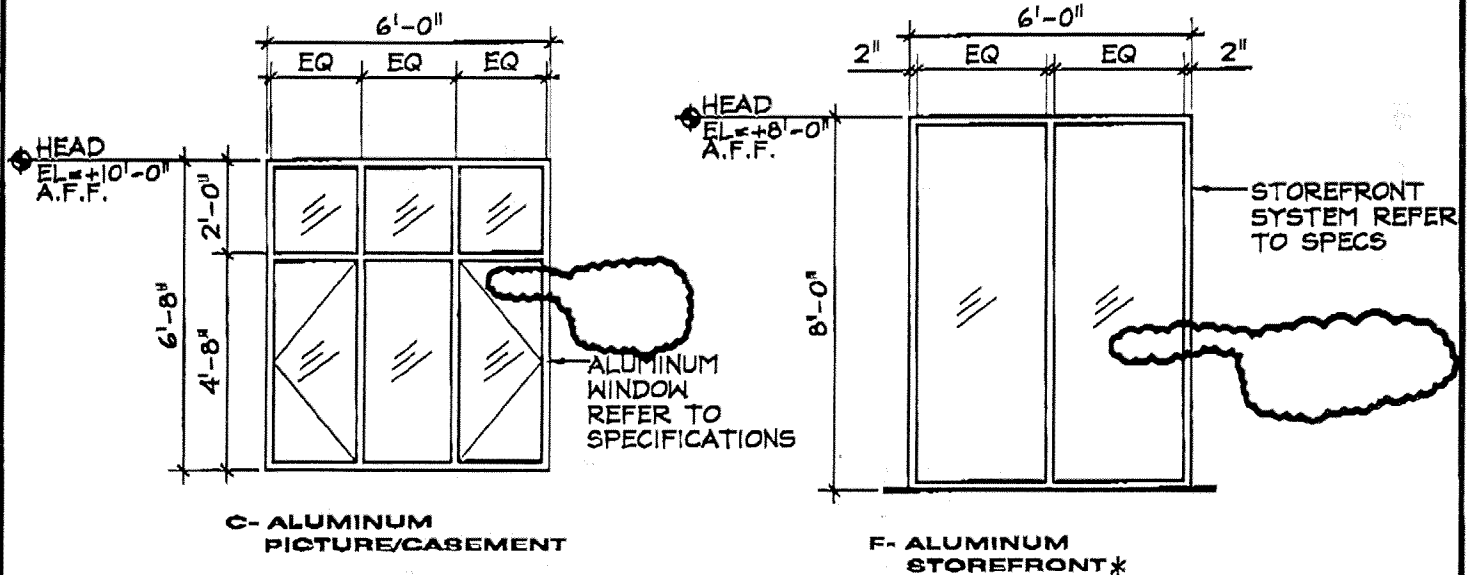
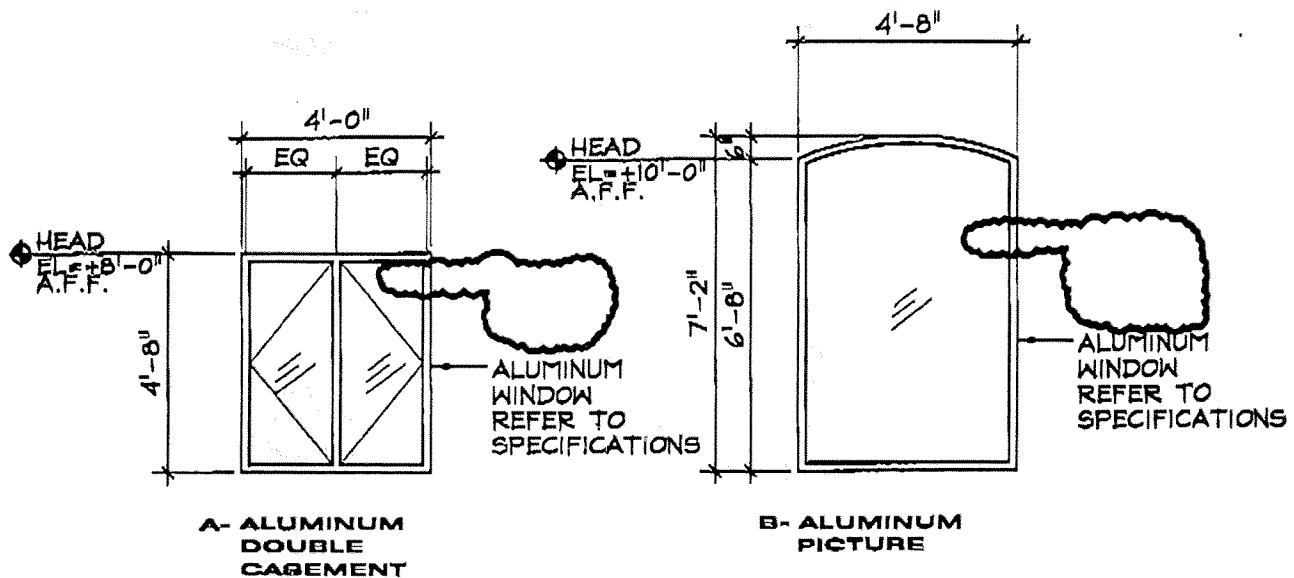
By MRC

Checked BKS

Date 05.07.04

Job No. 2003510

Scale 1/4" = 1'-0"

**NOTE:**

\*=UTILIZE TEMPERED GLAZING WHERE PER REQUIRED BY CBC.



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FRESNO FIRE STATION # 15 & 17

## DOOR & WINDOW SCHEDULES

ADDENDUM # 4

AD # 4.2

Sheet No. A-8.0/ 8-E 2096

By MRC

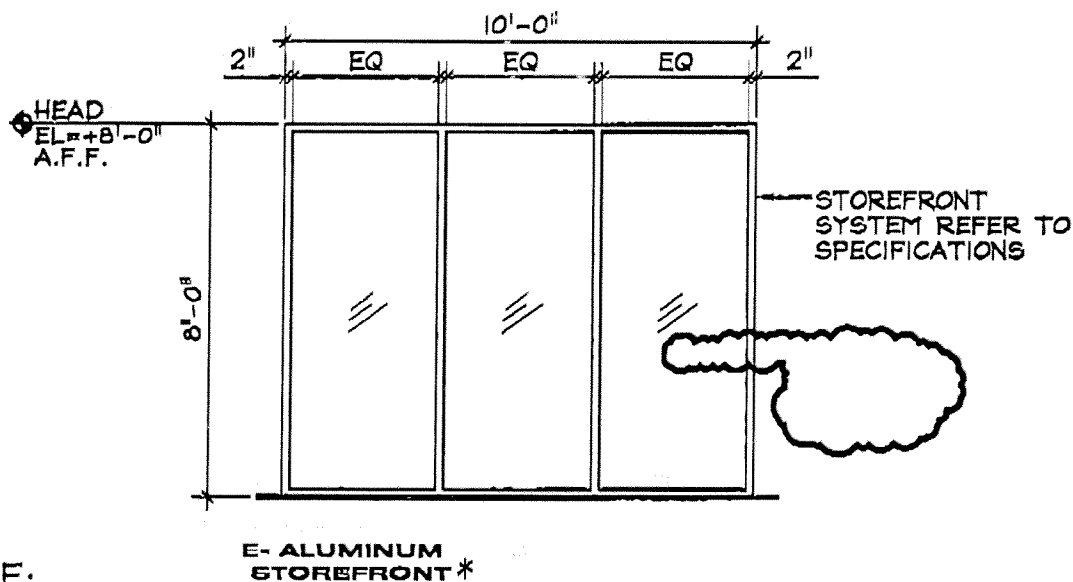
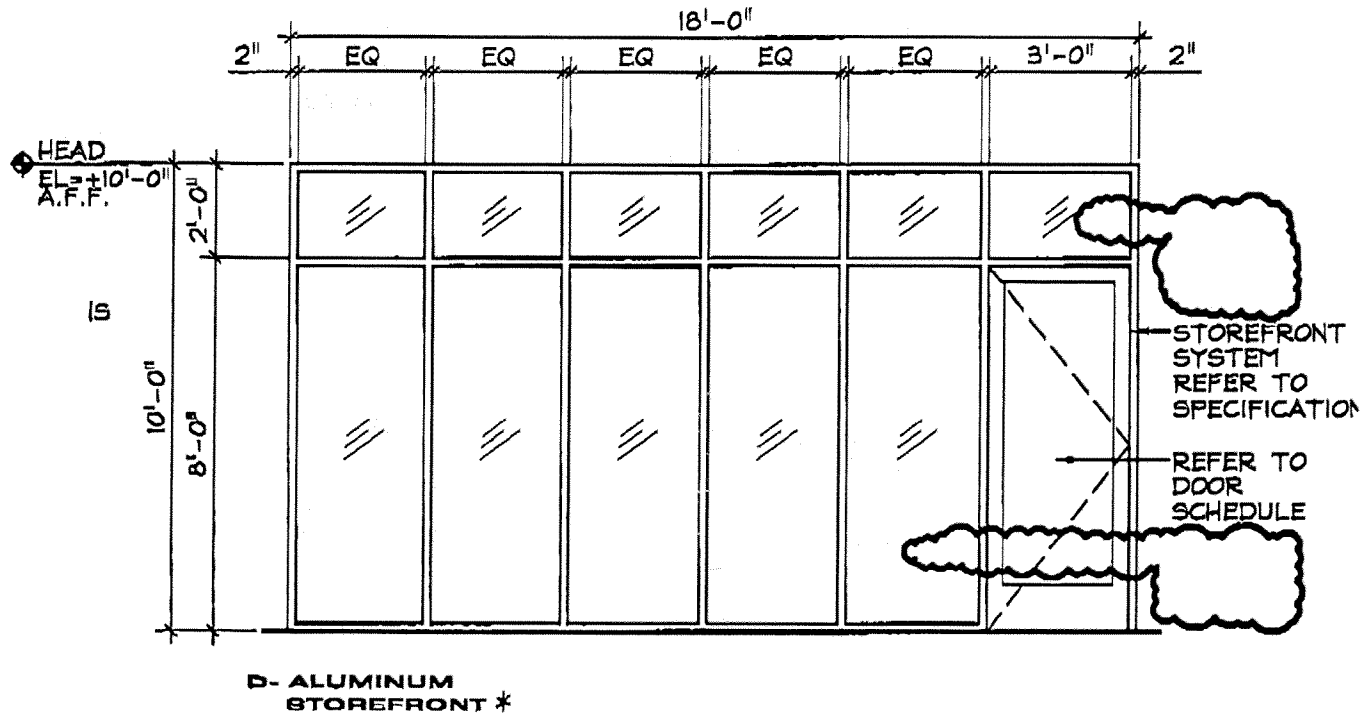
Checked BKS

Date 05.07.04

Job No. 2003510

Scale 1/4" = 1'-0"



**NOTE:**

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Via Montgomery, and Nimitz Cn. 11800 • (near Midway), SCS 3406, LA 691 • 101 Thruway, Landscape Architects 2004

FRESNO FIRE STATION # 15 & 17

## DOOR & WINDOW SCHEDULES

ADDENDUM # 4  
AD # 4.22

Sheet No. A-8.0/ 8-B 2096

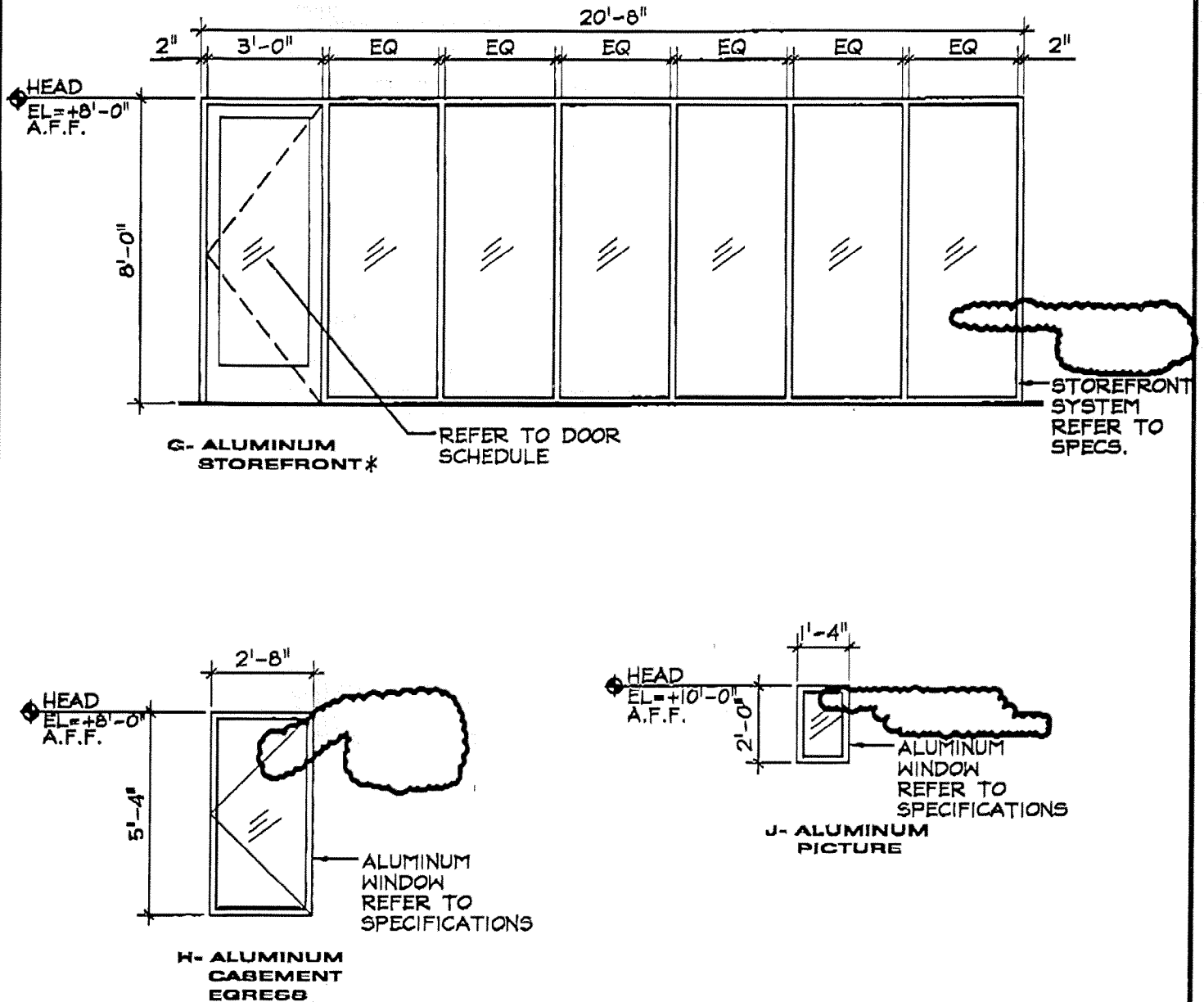
By MRC

Checked BKS

Date 05.07.04

Job No. 2003510

Scale 1/4" = 1'-0"

**NOTE:**

\*=UTILIZE TEMPERED GLAZING WHERE PER REQUIRED BY CBC.



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FRESNO FIRE STATION # 15417

## DOOR & WINDOW SCHEDULES

ADDENDUM # 4

AD # 4.23

Sheet No. A-8.0/ 8-E 2096

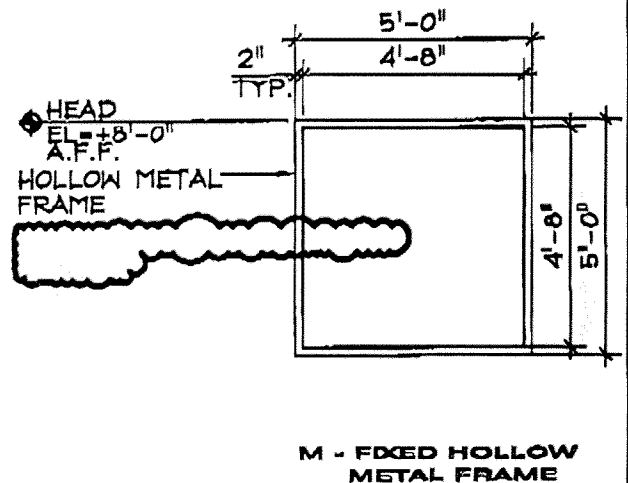
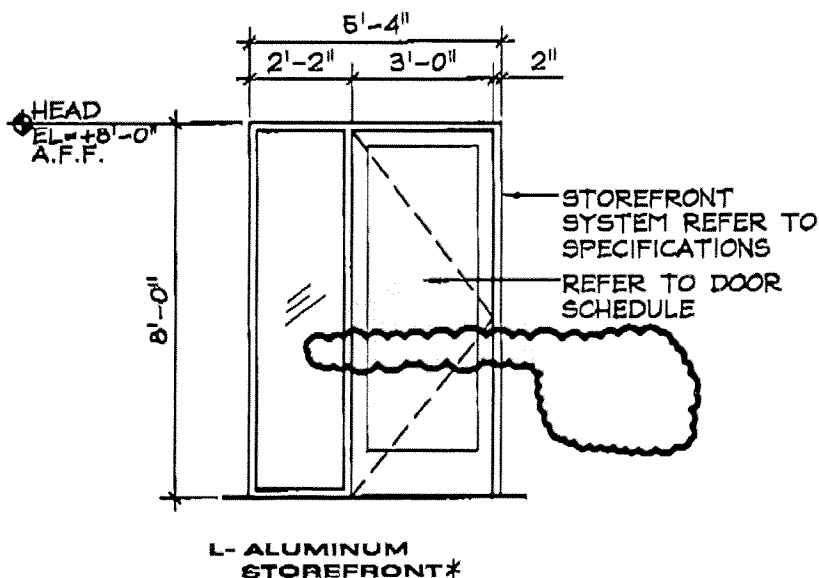
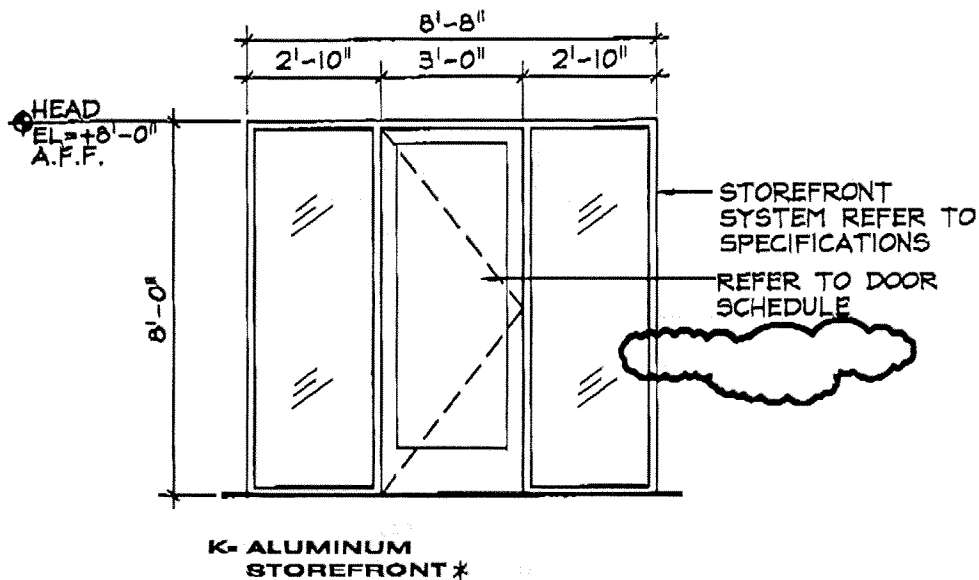
By MRC

Checked BKS

Date 05.07.04

Job No. 2003510

Scale 1/4" = 1'-0"

**NOTE:**

\*=UTILIZE TEMPERED GLAZING WHERE PER REQUIRED BY CBC.



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FRESNO FIRE STATION # 15 & 17

## DOOR & WINDOW SCHEDULES

ADDENDUM # 4

AD # 4.24

Sheet No. A-8.0/ 8-B 2096

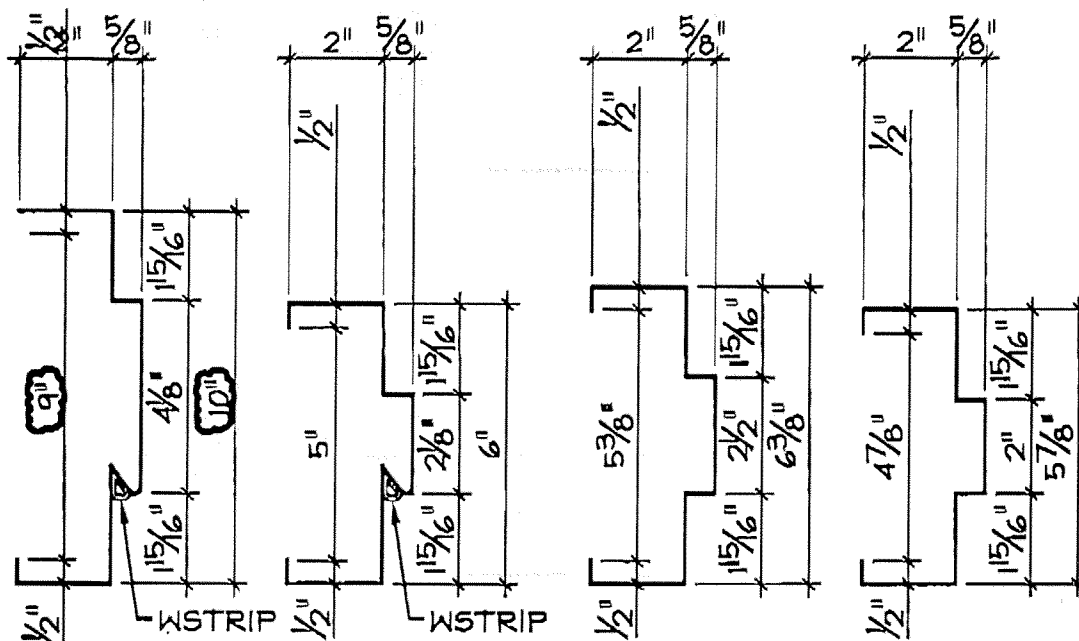
By MRC

Checked BKS

Date 05.07.04

Job No. 2003510

Scale 1/4" = 1'-0"



A.  
EXTERIOR-  
12" CMU

B.  
EXTERIOR-  
8" CMU  
INTERIOR-  
12" CMU SIM.  
W/O SEAL

C.  
INTERIOR-  
3-5/8" MTL STUD  
W/ 1/2"  
PLYWOOD

D.  
INTERIOR-  
3" MTL STUD

HM Frames-2002503

NOTE:  
FIELD VERIFY FRAME WIDTHS  
FOR ALL DOORS.

## TYPICAL H.M. FRAMES

SCALE: 3"=1'-0"

5



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Vice President: April Lee CA 1180 • (any letters) 805 543 11 11 11 • (all letters) Lee Remy April Lee 1180

FRESNO FIRE STATION # 15 # 17

## DOOR DETAIL

ADDENDUM # 4  
AD # 4.25

Sheet No. A-9.0/ 8-B 2098

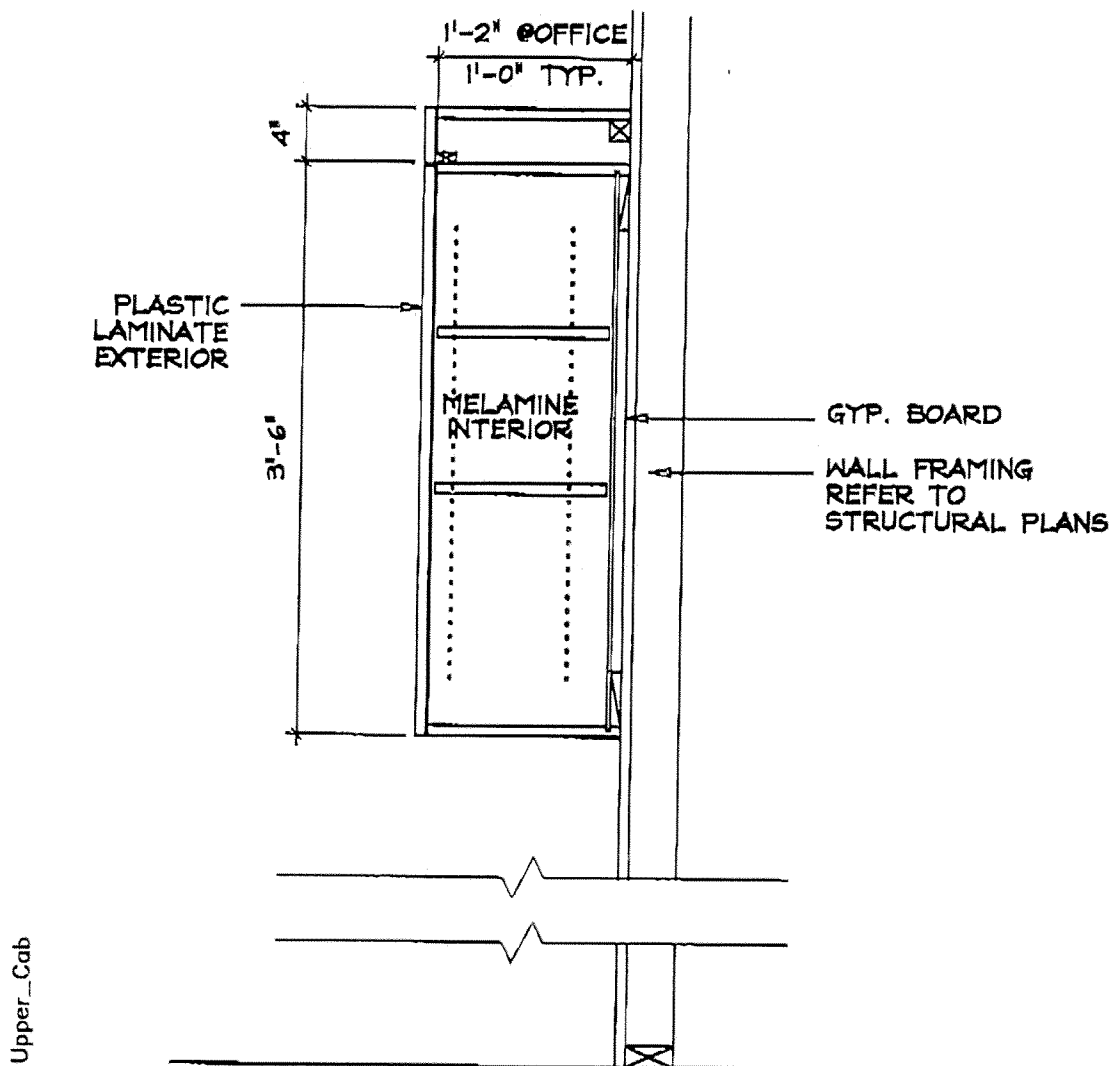
By \_\_\_\_\_ MRC

Checked \_\_\_\_\_ BKS

Date \_\_\_\_\_ 05.07.04

Job No. \_\_\_\_\_ 2003510

Scale \_\_\_\_\_ 3"=1'-0"



# UPPER CABINET DETAIL

1"=1'-0"

10



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FRESNO FIRE STATION # 15 &amp; 17

## INTERIOR DETAIL

ADDENDUM # 4

AD # 4.26

Sheet No. A-9.3/8-E 2098By MRCChecked BKSDate 05.07.04Job No. 2003510Scale 3"=1'-0"



PURCHASING DIVISION  
TELEPHONE # (559) 621-1332  
FAX # (559) 488-1069

BID QUESTIONS FOR: <input checked="" type="checkbox"/> Fire Station No. 15 <input checked="" type="checkbox"/> Fire Station No. 17  ATTENTION: BOB CALLISTRO, BUYER	(FOR CITY OF FRESNO USE ONLY) QUESTION No: <u>1</u> DATE: <u>5/5</u> REVIEWED BY: <u>[Signature]</u> RESPONSIBLE FOR RESPONSE: <input checked="" type="checkbox"/> CITY <input type="checkbox"/> CONSULTANT
---	--

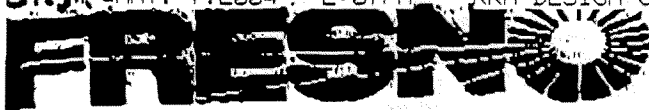
FROM: COMPANY: <u>L.C. NELSON &amp; SONS</u> CONTACT PERSON: <u>ERIK JENSEN</u>	DATE: <u>5-5-04</u> PHONE No: <u>896-1443</u> FAX No: <u>896-8609</u>
---	---

QUESTION: YOU MAY WISH TO INFORM ALL PLAN HOLDERS  
THAT THE CIVIL DRAWINGS FOR FIRESTATION  
#15 ARE BOUND WITHIN FIRESTATION #17  
DRAWINGS, AND CIVIL DRUG'S FOR #17 ARE  
FOUND WITHIN PLANS FOR FIRESTATION #15.

ANSWER: SO NOTED IN ADDENDUM #2

RESPONSE BY: <u>KIRK VAN CLEAVE</u>	DATE: <u>5/7/04</u>
INCLUDED IN ADDENDUM NO. _____	DATE: _____

X



**PURCHASING DIVISION**  
**TELEPHONE # (559)621-1332**  
**FAX # (559)488-1069**

**BID QUESTIONS FOR:**

- (X) Fire Station No. 15  
 ( ) Fire Station No. 17

**ATTENTION: BOB CALLISTRO, BUYER**

**(FOR CITY OF FRESNO USE ONLY)**

QUESTION No: 2

DATE: 5/5 REVIEWED BY: R

RESPONSIBLE FOR RESPONSE:

☒ CITY

☒ CONSULTANT

FROM: JASON THOMPSON

COMPANY: MAULDIN-DOZEMIER

CONTACT PERSON: \_\_\_\_\_

DATE: 4/5/04

PHONE No: 559-252-4600

FAX No: 559-252-5050

QUESTION: PLEASE SUBMIT A-1.0 NOTE 04220.D CALLS FOR APPROXIMATELY  
240 LINEAL FEET OF RETAINING WALL, WHICH CONFLICTS WITH SHEET  
C-2 WHICH SHOWS 300 LINEAL FEET. PLEASE CLARIFY THE EXTENT  
OF WORK. IS DETAIL 5/SI.1 TO BE USED FOR THIS LOCATION?

ANSWER: AT STATION 15, THE PRECAST CONCRETE WALL SYSTEM HAS BEEN  
ELIMINATED FROM THE SCOPE OF WORK AND REPLACED WITH A 6' HIGH  
PRECISION BLOCK CMU WALL & CONTINUOUS HOT LINE FOUNDATION.  
REFER TO DETAILS 9/A1.1 (SH) AND 5/SI.1. REFER TO  
ADDENDUM #4

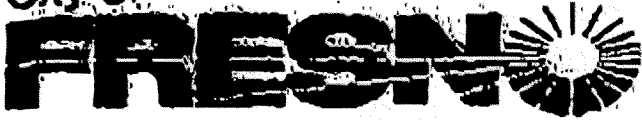
RESPONSE BY: KIRK VAN CLEAVE

DATE: 5/7/04

INCLUDED IN ADDENDUM NO. \_\_\_\_\_

DATE: \_\_\_\_\_

X



**PURCHASING DIVISION**  
**TELEPHONE # (559) 621-1332**  
**FAX # (559) 488-1069**

**BID QUESTIONS FOR:**

- ☒ Fire Station No. 15  
☒ Fire Station No. 17

**ATTENTION: BOB CALLISTRO, BUYER****(FOR CITY OF FRESNO USE ONLY)****QUESTION No:** 3**DATE:** 5/5 **REVIEWED BY:** [Signature]**RESPONSIBLE FOR RESPONSE:**☒ CITY☒ CONSULTANT**FROM:** JASON THOMPSON**COMPANY:** MAULDIN-DEPNESE**CONTACT PERSON:** \_\_\_\_\_**DATE:** 4/5/04**PHONE No:** 559-252-4600**FAX No:** 559-252-5252

**QUESTION:** DETAIL 3/S.I.1 SHOWS METAL STUDS BRACED TO A STEEL  
ROOF STRUCTURE. PLEASE PROVIDE A DETAIL FOR METAL STUDS  
BRACED TO A WOOD ROOF.

**ANSWER:** SEE ATTACHED DETAIL FROM CM HANIF ENGINEERING  
DATED 5/7/04

**RESPONSE BY:** KIRK VAN CLEAVE**DATE:** 5/7/04**INCLUDED IN ADDENDUM NO.** \_\_\_\_\_**DATE:** \_\_\_\_\_

X



**C.M. HANIF ENGINEERING**

CONSULTING STRUCTURAL ENGINEERS  
 5108 E. CLINTON WAY SUITE 111  
 FRESNO, CALIFORNIA 93727-2040  
 (559) 252-0717 • FAX (559) 252-0338

DATE 5/7/04 TIME 9:30 ☐ A.M. ☐ P.M. NUMBER OF PAGES 1  
 (Including Cover Letter):

NOTE: If you did not receive all of the pages or if you have a question, please call the verifying number (below).

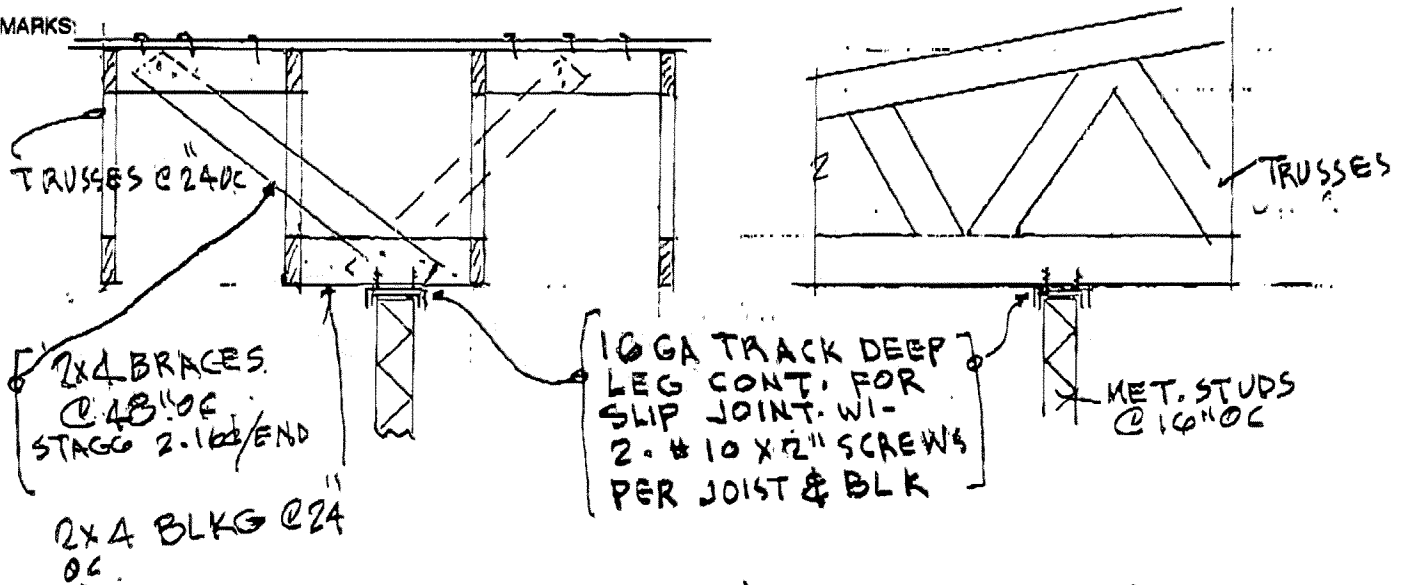
TO: **BRIAN**

FROM:

CO. NAME <b>RRM</b>	NAME
ADDRESS	SUBJECT <b>FRESNO F. STN</b>
ATTENTION	FAX NO.
FAX NO. <b>209-847-<del>799</del> 2511</b>	VERIFYING NO.

**FAX Transmission**

REMARKS:



**TYP. (NON-BRG) INTERIOR M.S. BRACING**

**ADDENDUM # 5**  
**AD # 5.1**

City of

**FRESNO**

PURCHASING DIVISION  
TELEPHONE # (559) 621-1332  
FAX # (559) 488-1069

## BID QUESTIONS FOR:

- ☒ Fire Station No. 15  
☐ Fire Station No. 17

ATTENTION: BOB CALLISTRO, BUYER

(FOR CITY OF FRESNO USE ONLY)

QUESTION No: 4DATE: 5/6 REVIEWED BY: AC

RESPONSIBLE FOR RESPONSE:

☐ CITY☒ CONSULTANT

## FROM:

COMPANY: L.C. NELSON & SONS, INCCONTACT PERSON: ERIK JENSENDATE: 5-6-04PHONE No: 896-1443FAX No: 896-8609

QUESTION: DRUG C-2 AND DRUG A1-0 SHOWS  
WHAT APPEARS TO BE STAIRS OF EAST PARK  
CIRCLE DRIVE! PLEASE, PROVIDE DETAILS  
INCLUDING ANY RAILING REQUIREMENTS!  
ANY RAILS REQUIRED AT THE RAMP?

ANSWER: SEE ATTACHED RAILING & H.C. RAMP DETAILS.  
STAIRS TO BE REINFORCED CONCRETE & CONFORM  
IN ALL RESPECTS, INCLUDING RAILS, TO APPLICABLE  
CITY OF FRESNO & CBC REQUIREMENTS

RESPONSE BY: KIRK VAN CLEAVEDATE: 5/7/04

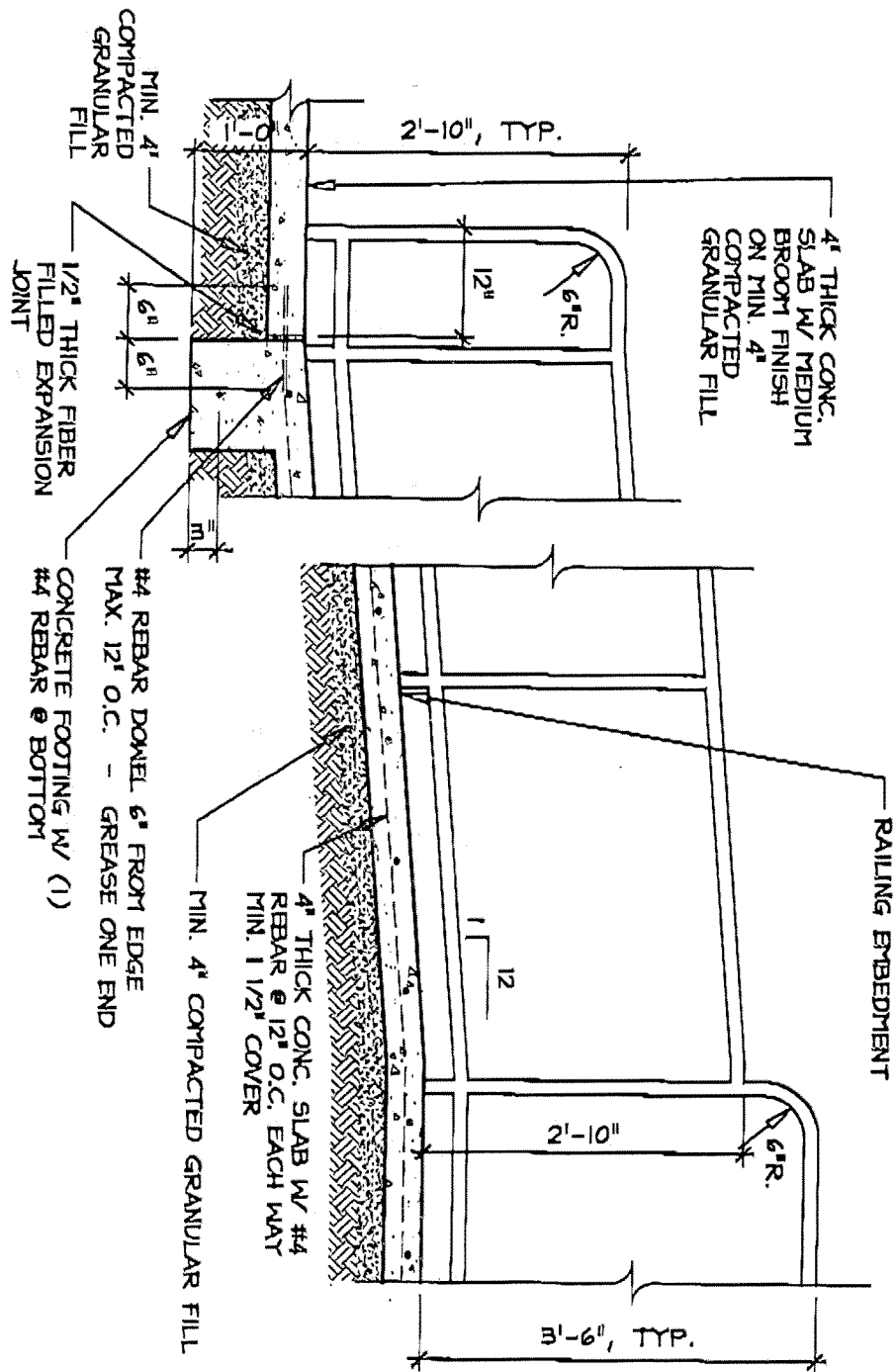
INCLUDED IN ADDENDUM NO. \_\_\_\_\_

DATE: \_\_\_\_\_

x

# RAMP/RAILING SECTION

Ramp-long\_sec



**RRM DESIGN GROUP**  
*Creating Environments People Enjoy*

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 Phone: 408/548-1794 - Fax: 408/548-4608 - www.rrmdesign.com  
 1100 Westgate, Anaheim, CA 92801 - 714/944-8000 - 714/944-8001 - 714/944-8002

FRESNO FIRE STATION # 15

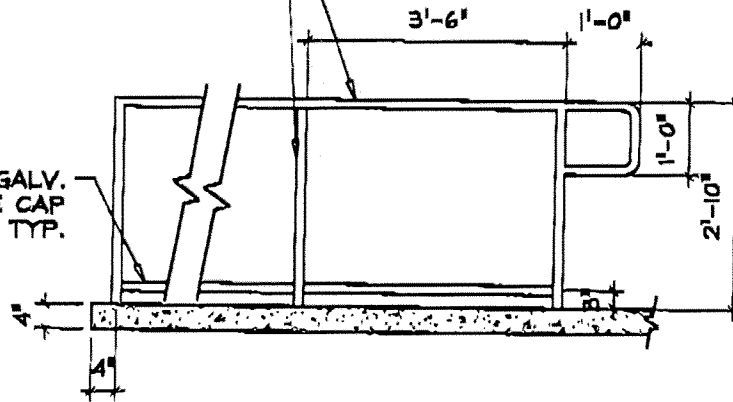
## ACCESSIBILITY DETAIL

ADDENDUM # 5  
 AD # 5.2

Sheet No. A-1.1/13By MRCChecked BKSDate 05.07.04Job No. 2003510Scale NTS

1 1/2" DIA. MAX SCH 80 GALV.  
STEEL PIPE, RAILING AND POST.  
WELD ALL AROUND (ALL WELD  
TO BE GROUND SMOOTH) PAINT  
PER COLOR SELECTED BY OWNER

1" x 1/2" GALV.  
WHEEL GUIDE CAP  
BOTH ENDS TYP.



Ramp\_rail\_elev

## RAMP RAILING ELEVATION

1/2"=1'-0"



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Via Monterey, Andinet CA 93901 • Jerry McLeod: 805/543-1794 • Jodi Purcell: 805/543-1794

FRESNO FIRE STATION # 15

## ACCESSIBILITY DETAIL

ADDENDUM # 5  
AD # 5.3

Sheet No. A-1.1/14

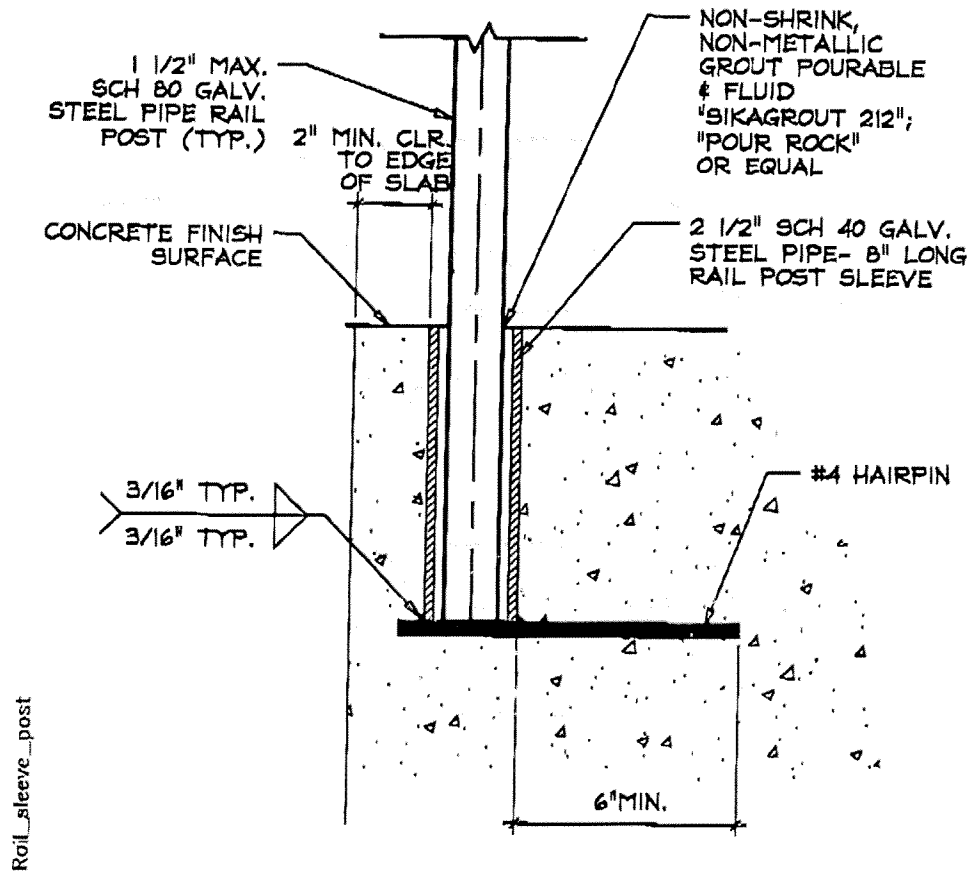
By MRC

Checked BKS

Date 05.07.04

Job No. 2003510

Scale 3"=1'-0"



# RAIL SLEEVE POST

3"=1'-0"



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FRESNO FIRE STATION # 15

## ACCESSIBILITY DETAIL

ADDENDUM # 5  
AD # 5.4

Sheet No. A-1.1/15By MRCChecked BKSDate 05.07.04Job No. 2003510Scale 3"=1'-0"

City of

**FRESNO****PURCHASING DIVISION  
TELEPHONE # (559) 621-1332  
FAX # (559) 488-1069****BID QUESTIONS FOR:**

- (~) Fire Station No. 15  
(~) Fire Station No. 17

**ATTENTION: BOB CALLISTRO, BUYER****(FOR CITY OF FRESNO USE ONLY)**QUESTION No: 5DATE: 5/6 REVIEWED BY: RC

RESPONSIBLE FOR RESPONSE:

☒ CITY☐ CONSULTANTFROM: JOHN MICHELCOMPANY: MULLEN-BREMERCONTACT PERSON: JOHN MICHELDATE: 5/06/04PHONE No: (559) 252-4600FAX No: (559) 252-5058

QUESTION: SHEET A-20 WILL LISTED 114.00 FOOD  
SERVICE EQUIPMENT 114.00 A. ICE MAKER  
WITH STORAGE BID. NO SPECIFICATION PROVIDED.  
PLEASE CLARIFY

ANSWER: ICE MAKER TO BE OWNER SUPPLIED, CONTRACTOR  
INSTALLED.

RESPONSE BY: KIER VAN CLEAVEDATE: 5/7/04

INCLUDED IN ADDENDUM NO. \_\_\_\_\_

DATE: \_\_\_\_\_



**PURCHASING DIVISION**  
**TELEPHONE # (559) 621-1332**  
**FAX # (559) 488-1060**

<b>BID QUESTIONS FOR:</b>  (✓) Fire Station No. 15 (✓) Fire Station No. 17  <b>ATTENTION: BOB CALLISTRO, BUYER</b>	<b>(FOR CITY OF FRESNO USE ONLY)</b> <b>QUESTION No:</b> <u>6</u> <b>DATE:</b> <u>5/6</u> <b>REVIEWED BY:</b> <u>[Signature]</u> <b>RESPONSIBLE FOR RESPONSE:</b> <input checked="" type="checkbox"/> CITY <input checked="" type="checkbox"/> CONSULTANT
---	--

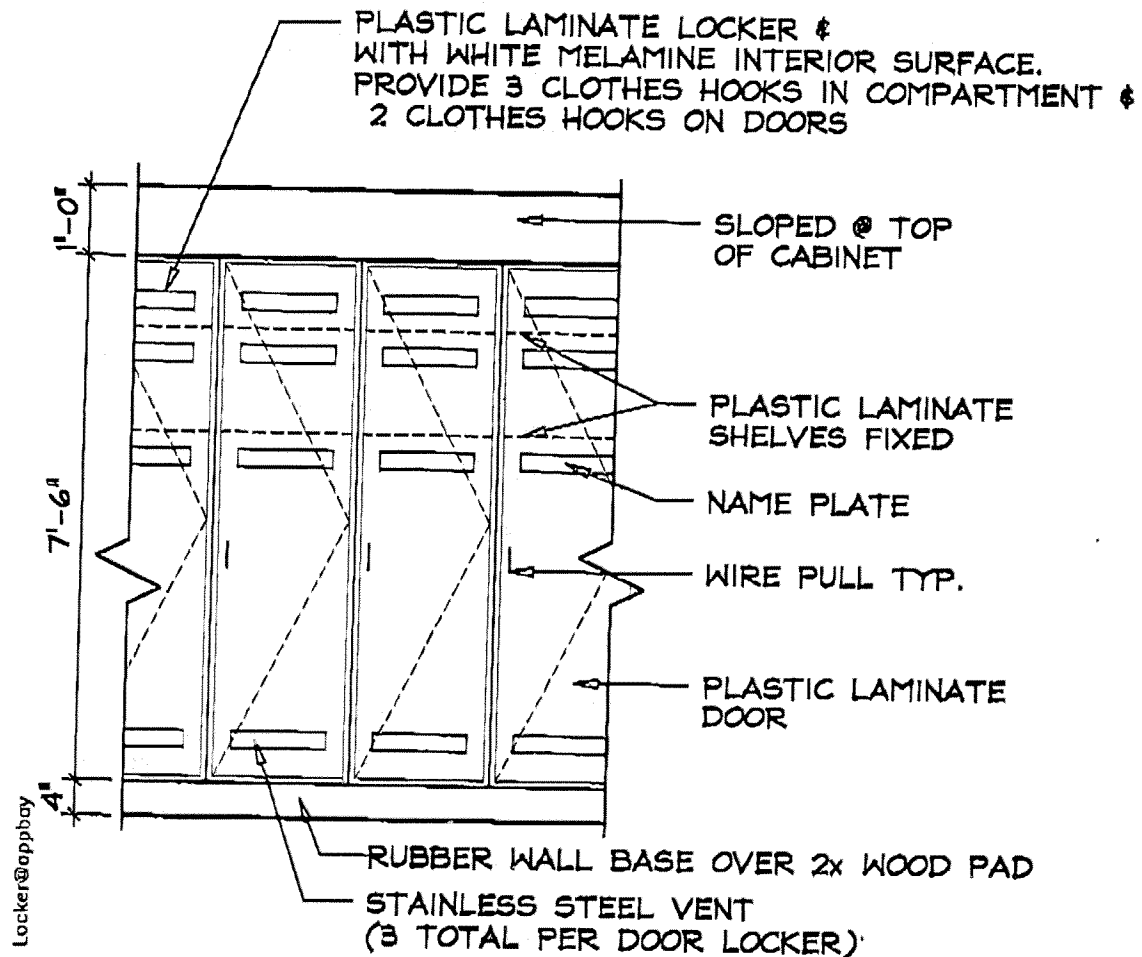
<b>FROM:</b> <u>JOHN MICHELI</u> <b>COMPANY:</b> <u>HAULMAN ROFFMEIER</u> <b>CONTACT PERSON:</b> <u>JOHN MICHELI</u>	<b>DATE:</b> <u>5/29/04</u> <b>PHONE No:</b> <u>(559) 252-4600</u> <b>FAX No:</b> <u>(559) 252-5058</u>
--	---

**QUESTION:** SUBMIT 10500 HAS LEGEND 10500 METAL  
LOCKERS, METAL TURN-OUT LOCKERS NO  
SPECIFICATION SECTION INCLUDED PLEASE  
CLARIFY. (NOTE: DETAIL 8/1-9.2 IS FOR  
LAMINATE LOCKERS IN DORM RMS.  
THOUGH THEY ARE DESCRIBED AS  
PLASTIC LAMINATE TURN-OUT LOCKER)

**ANSWER:** REFER TO SPEC SECTION 10410 IN ADDENDUM #3 AND ATTACHED  
DETAIL FOR PLASTIC DORM LOCKERS  
  
REFER TO SPEC SECTION 10500 IN ADDENDUM #3 IN REGARDS  
TO METAL TURNOUT LOCKERS.

<b>RESPONSE BY:</b> <u>KIRK VAN CLEAVE</u> <b>INCLUDED IN ADDENDUM NO.</b> _____	<b>DATE:</b> <u>5/7/04</u> <b>DATE:</b> _____
---	--

X

**LOCKERS @ DORM ROOM**

3/8"=1'-0"

**8**

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 Vic Montgomery, Architect CA 11304 • Jany McLeod, RCM 14096, LE 6376 • Jeff Parker, Landscape Architect 5449

FRESNO FIRE STATION # 15 &amp; 17

**EXTERIOR  
 DETAILS**

**ADDENDUM # 5  
 AD # 5.5**

Sheet No. A-9.0/8.By MRCChecked BKSDate 05.07.04Job No. 2003510Scale 3/8"=1'-0"



City of

**FRESNO**

PURCHASING DIVISION  
TELEPHONE # (559)621-1332  
FAX # (559)488-1069

BID QUESTIONS FOR:

☒ Fire Station No. 15  
☒ Fire Station No. 17

ATTENTION: BOB CALLISTRO, BUYER

(FOR CITY OF FRESNO USE ONLY)

QUESTION No: 7DATE: 5/6 REVIEWED BY: AC

RESPONSIBLE FOR RESPONSE:

☐ CITY☒ CONSULTANT

FROM:

COMPANY: L.C. NELSON & SONS, INCCONTACT PERSON: ERIK JENSENDATE: 5-6-04PHONE No: 896-1443FAX No: 896-8609

QUESTION:

ANY SPECIFICATIONS AVAILABLE FOR  
PLASTIC LAMINATED, VENTED, LOCKERS?  
METAL TURNOUT LOCKERS?

ANSWER: REFER TO ANSWER IN QUESTION #6.RESPONSE BY: KIRK VAN CLEAVEDATE: 5/7/04

INCLUDED IN ADDENDUM NO. \_\_\_\_\_

DATE: \_\_\_\_\_

X

TOTAL P.08